



برنامج بكالوريوس العلوم والرياضيات

والطفولة باللغة الانجليزية

الخطة الدراسية لبرنامج التعليم باللغة الإنجليزية  
لإعداد معلم العلوم والرياضيات لمراحل  
التعليم الاعدادي والثانوي والاساسي ومعلم الطفولة  
والتربية

**أولاً : درجة البكالوريوس في إعداد معلم العلوم والرياضيات باللغة الإنجليزية (مرحلة التعليم الإعدادي والثانوي) في أحد التخصصات التالية**

| م | البرنامج                                                       | مرحلة التعليم المعد لها |
|---|----------------------------------------------------------------|-------------------------|
| 1 | اعداد معلم الكيمياء باللغة الانجليزية                          | الإعدادي والثانوي       |
| 2 | اعداد معلم الفيزياء باللغة الانجليزية                          | الإعدادي والثانوي       |
| 3 | اعداد معلم البيولوجى أساسى وجيولوجيا<br>فرعي باللغة الانجليزية | الإعدادي والثانوي       |
| 4 | اعداد معلم الجيولوجيا أساسى وبيولوجى<br>فرعي باللغة الانجليزية | الإعدادي والثانوي       |
| 5 | اعداد معلم الرياضيات باللغة الانجليزية                         | الإعدادي والثانوي       |

**ثانياً : درجة البكالوريوس في إعداد معلم العلوم والرياضيات باللغة الإنجليزية (مرحلة التعليم الأساسي) في أحد التخصصات التالية**

| م | البرنامج                               | مرحلة التعليم المعد لها |
|---|----------------------------------------|-------------------------|
| 1 | اعداد معلم العلوم باللغة الانجليزية    | مرحلة التعليم الأساسي   |
| 2 | اعداد معلم الرياضيات باللغة الانجليزية | مرحلة التعليم الأساسي   |

**ثالثاً : درجة البكالوريوس في إعداد معلم الطفولة والتربية باللغة الإنجليزية**

**أولاً : درجة البكالوريوس في إعداد معلم العلوم والرياضيات  
باللغة الإنجليزية (مرحلة التعليم الإعدادي والثانوي) في أحد  
التخصصات التالية**

- برنامج : اعداد معلم الكيمياء باللغة الانجليزية (مرحلة التعليم الإعدادي  
والثانوي)
- برنامج: اعداد معلم الفيزياء باللغة الانجليزية (مرحلة التعليم الإعدادي  
والثانوي)
- برنامج : اعداد معلم البيولوجى أساسى وجولوجيا فرعى باللغة  
الانجليزية (مرحلة التعليم الإعدادي والثانوي)
- برنامج اعداد معلم الجيولوجيا أساسى وبيولوجى فرعى باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)
- برنامج: اعداد معلم الرياضيات باللغة الانجليزية (مرحلة التعليم الإعدادي  
والثانوي)



**برنامج : اعداد معلم الكيمياء باللغة الانجليزية**  
**(مرحلة التعليم الإعدادي والثانوي)**

برنامج : اعداد معلم الكيمياء باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)

| First year  |                                                    |        |    |           |                                      |                |         |              |
|-------------|----------------------------------------------------|--------|----|-----------|--------------------------------------|----------------|---------|--------------|
| First term  |                                                    |        |    |           |                                      |                |         |              |
| Course code | Course name                                        | Hs no. |    |           | Final scores(at the end of the year) |                |         |              |
|             |                                                    | T      | FT | Total hs  | Assignment                           | Oral/ practice | written | Total scores |
| 118 MS      | Fundamental of math's                              | 2      | 1  | 3         | 35                                   |                | 90      | 125          |
| 111 Ph      | <u>General physics(1)</u><br>-Properties of matter | 2      | 2  | 8         | 15                                   | 30             | 105     | 300          |
| 112 Ph      | -Magnetic and Electricity                          | 2      | 2  |           | 15                                   | 30             | 105     |              |
| 111 B       | General biological sciences (1)<br>(Plant)         | 2      | 4  | 6         | 20                                   | 40             | 140     | 200          |
| 111 Ch      | General chemistry (1)                              | 4      | 2  | 6         | 30                                   | 50             | 170     | 250          |
|             | Educational and cultural                           | 6      | -  | 6         |                                      | -              |         | 300          |
|             | <b>Total scores</b>                                |        |    | <b>29</b> |                                      |                |         | <b>1175</b>  |
| Second term |                                                    |        |    |           |                                      |                |         |              |
| Course code | Course name                                        | Hs no. |    |           | Final scores(at the end of the year) |                |         |              |
|             |                                                    | T      | FT | Total hs  | Assignment                           | Oral/ practice | written | Total scores |
| 128MS       | Mathematics Calculus(2)                            | 2      | 1  | 3         | 35                                   |                | 90      | 125          |
| 122Ph       | <u>General physics(2)</u><br>-Optical              | 2      | 2  | 8         | 15                                   | 30             | 105     | 300          |
| 121Ph       | - Thermal                                          | 2      | 2  |           | 15                                   | 30             | 105     |              |
| 112 Z       | General biological sciences (2)<br>(Animal)        | 2      | 4  | 6         | 20                                   | 40             | 140     | 200          |
| 122Ch       | General chemistry (2)                              | 3      | 2  | 5         | 20                                   | 40             | 140     | 200          |
| 123 G       | General Geology                                    | 2      | -  | 2         | 10                                   | 20             | 70      | 100          |
| 111 B       | Educational and cultural                           | 6      | 2  | 8         |                                      |                |         | 350          |
|             | <b>Total scores</b>                                |        |    | <b>32</b> |                                      |                |         | <b>1350</b>  |

برنامج : اعداد معلم الكيمياء باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)

| Second Year      |                           |        |    |          |                                      |                |         |              |
|------------------|---------------------------|--------|----|----------|--------------------------------------|----------------|---------|--------------|
| First term       |                           |        |    |          |                                      |                |         |              |
| Course code      | Course name               | Hs no. |    |          | Final scores(at the end of the year) |                |         |              |
|                  |                           | T      | FT | Total hs | Assignment                           | Oral /practice | written | Total scores |
| 216MS            | Mathematics (3)           | 2      | 1  | 3        | 35                                   | -              | 90      | 125          |
| Curr211          | Environmental Science (1) | 2      | -  | 2        | 20                                   | -              | 80      | 100          |
| 231 Ch           | Physic Chemistry(1)       | 2      | 2  | 4        | 15                                   | 30(practice)   | 105     | 150          |
| 217 Ph           | *Thermodynamics           | 2      | 2  | 8        | 15                                   | 30(practice)   | 105     | 300          |
| 214 Ph           | *Modern Physics           | 2      | 2  |          | 15                                   | 30(practice)   | 105     |              |
| 211 Ch           | Analytical Chemistry(1)   | 2      | 2  | 4        | 15                                   | 30(practice)   | 105     | 150          |
| 212 Ch           | Organic Chemistry (1)     | 2      | 2  | 4        | 15                                   | 30(practice)   | 105     | 150          |
|                  | Educational and cultural  | 4      | 3  | 7        |                                      |                |         | 275          |
|                  | <b>Total scores</b>       |        |    | 32       |                                      |                |         | 1250         |
| Second term      |                           |        |    |          |                                      |                |         |              |
| Course code      | Course name               | Hs no. |    |          | Final scores(at the end of the year) |                |         |              |
|                  |                           | T      | FT | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| 226MS            | Mathematics (4)           | 2      | 1  | 3        | 35                                   | -              | 90      | 125          |
| 232 Ch           | Physic Chemistry(2)       | 2      | 2  | 4        | 15                                   | 30(practice)   | 105     | 150          |
| 222 Ch           | Inorganic Chemistry I     | 2      | 2  | 4        | 15                                   | 30 (practice)  | 105     | 150          |
| 223 Ch           | Organic Chemistry(2)      | 2      | 2  | 4        | 15                                   | 30(practice)   | 105     | 150          |
| 221 Ph<br>212 Ph | General physics - AC      | 2      | 2  | 8        | 15(practice)                         | 30             | 105     | 300          |
|                  | - biophysics              | 2      | 2  |          | 15(practice)                         | 30             | 105     |              |
|                  | Educational and cultural  | 4      | 4  | 8        |                                      |                |         | 300          |
|                  | <b>Total scores</b>       |        |    | 31       |                                      |                |         | 1175         |

برنامج : اعداد معلم الكيمياء باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)

| Third Year  |                           |          |    |           |                                      |                |         |              |
|-------------|---------------------------|----------|----|-----------|--------------------------------------|----------------|---------|--------------|
| First term  |                           |          |    |           |                                      |                |         |              |
| Course code | Course name               | Hs no.   |    |           | Final scores(at the end of the year) |                |         |              |
|             |                           | T        | FT | Total hs  | Assignment                           | Oral /practice | written | Total scores |
| 331 Ch      | Physic Chemistry (3)      | 3        | 2  | 5         | 20                                   | 40             | 140     | 200          |
| 301 Ch      | Environmental Chemistry   | 2        | 2  | 4         | 15                                   | 30(practice)   | 105     | 150          |
| 321 Ch      | organic Chemistry(3)      | 3        | 1  | 4         | 35                                   | 15(practice)   | 125     | 175          |
| 231Ch       | Physical Chemistry        | 2        | 3  | 5         | 20                                   | 40(practice)   | 140     | 200          |
| Curr311     | Environmental Science (2) | 2        | -  | 2         | 20                                   | -              | 80      | 100          |
| 318MS       | Mathmatics(5)             | 2        | 2  | 4         | 30                                   | -              | 120     | 150          |
| 311 Ph      | Physics (atomic spectra)  | 2        | 2  | 4         | 10                                   | 35             | 105     | 150          |
|             | Educational and cultural  | 3        | 5  | 8         |                                      |                |         | 275          |
| tra311      | Field training            | Full day |    |           |                                      |                |         |              |
|             | <b>Total scores</b>       |          |    | <b>31</b> |                                      |                |         | <b>1200</b>  |
| Second term |                           |          |    |           |                                      |                |         |              |
| Course code | Course name               | Hs no.   |    |           | Final scores(at the end of the year) |                |         |              |
|             |                           | T        | FT | Total hs  | Assignment                           | Oral /practice | written | Total scores |
| 332 Ch      | Physical Chemistry(IV)    | 4        | 2  | 6         | 25                                   | 50(practice)   | 175     | 250          |
| 312 Ch      | Analytical Chemistry(II)  | 4        | 2  | 6         | 25                                   | 50(practice)   | 175     | 250          |
| 322 Ch      | organic Chemistry(IV)     | 4        | 2  | 6         | 25                                   | 50(practice)   | 175     | 250          |
| 328 MS      | Mathmatics(6)             | 2        | 1  | 3         | 25                                   | -              | 100     | 125          |
| 322 Ph      | Solid Physics (1)         | 2        | 2  | 4         | 15                                   | 30             | 105     | 150          |
|             | Educational and cultural  | 8        | -  | 8         |                                      |                |         | 400          |
| Tra311      | Field training            | Full day |    |           |                                      |                |         |              |
|             | <b>Total scores</b>       |          |    | <b>33</b> |                                      |                |         | <b>1525</b>  |

برنامج : اعداد معلم الكيمياء باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)

| Fourth Year |                          |          |    |          |                                      |                |         |              |
|-------------|--------------------------|----------|----|----------|--------------------------------------|----------------|---------|--------------|
| First term  |                          |          |    |          |                                      |                |         |              |
| Course code | Course name              | Hs no.   |    |          | Final scores(at the end of the year) |                |         |              |
|             |                          | T        | FT | Total hs | Assignment                           | Oral /practice | written | Total scores |
| 433 Ch      | Physical Chemistry(V)    | 3        | 2  | 8        | 20                                   | 40(Practice)   | 140     | 325          |
| 312 Ph      | E-Optics                 | 2        | 1  |          | 15                                   | 25(Practice)   | 85      |              |
| 411 Ch      | Inorganic Chemistry(II)  | 2        |    | 2        | 10                                   | 20(Practice)   | 70      | 100          |
| 412 Ch      | Organic Chemistry(V)     | 3        | 4  | 8        | 20                                   | 40(practice)   | 140     | 300          |
| 423 Ch      | Organic Chemistry(VI)    | 1        | -  |          | 10                                   | 20(practice)   | 70      |              |
| 414Ph       | Circuitry                | 2        | 2  | 4        | 10                                   | 35             | 105     | 150          |
| Curr411     | Integrated science       | 2        | -  | 2        | 10                                   | 20             | 70      | 100          |
|             | Educational and cultural | 6        | 1  | 7        |                                      |                |         | 325          |
| Tra311      | Field training           | Full day |    |          |                                      |                |         |              |
|             | <b>Total scores</b>      |          |    | 31       |                                      |                |         | 1300         |
| Second term |                          |          |    |          |                                      |                |         |              |
| Course code | Course name              | Hs no.   |    |          | Final scores(at the end of the year) |                |         |              |
|             |                          | T        | FT | Total hs | Assignment                           | Oral /practice | written | Total scores |
| 431 Ch      | Physical Chemistry(VI)   | 3        | 2  | 5        | 20                                   | 40             | 140     | 200          |
| 432 Ch      | Physical Chemistry(VII)  | 2        | 4  | 6        | 20                                   | 40             | 140     | 200          |
| 412 Ch      | Inorganic Chemistry(III) | 2        | 4  | 8        | 20                                   | 40             | 140     | 300          |
| 414 Ch      | Inorganic Chemistry(IV)  | 2        | -  |          | 10                                   | 20             | 70      |              |
| 422 Ch      | Organic Chemistry(VII)   | 3        | 3  | 8        | 25                                   | 45             | 155     | 325          |
|             | Educational and cultural | 4        | 1  | 5        |                                      |                |         | 225          |
| Tra311      | Field training           | Full day |    |          |                                      |                |         |              |
|             | <b>Total scores</b>      |          |    | 32       |                                      |                |         | 1350         |



**برنامج : اعداد معلم الفيزياء باللغة الانجليزية**  
**(مرحلة التعليم الإعدادي والثانوي)**

برنامج: اعداد معلم الفيزياء باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

| First Year  |                                                                     |                 |    |           |                                        |                 |         |             |
|-------------|---------------------------------------------------------------------|-----------------|----|-----------|----------------------------------------|-----------------|---------|-------------|
| First Term  |                                                                     |                 |    |           |                                        |                 |         |             |
| Course code | Course name                                                         | Number of Hours |    |           | Final Scores ( at the end of the year) |                 |         |             |
|             |                                                                     | T               | FT | Total     | Assignment                             | Oral/ Practical | Written | Total       |
| 111 Ph      | General Physics<br>a- Matter- Properties<br>b- Electricity,agnetism | 2               | 2  | 8         | 15                                     | 30Practice      | 105     | 300         |
| 112 Ph      |                                                                     | 2               | 2  |           | 15                                     | 30Practice      | 105     |             |
| 118 MS      | Mathematics (1)                                                     | 2               | 1  | 3         | 25                                     | -               | 100     | 125         |
| 111 B       | General Biology(1)<br>Plant                                         | 2               | 4  | 6         | 20                                     | 40Practice      | 140     | 200         |
| 111 Ch      |                                                                     | 3               | 2  | 5         | 20                                     | 40Practice      | 140     | 200         |
| 123 G       | Geology                                                             | 2               | -  | 2         | 10                                     | 20Practice      | 70      | 100         |
|             | Culture and education                                               | 6               | -  | 6         |                                        |                 |         | 300         |
|             | <b>Total score</b>                                                  |                 |    | <b>32</b> |                                        |                 |         | <b>1225</b> |
| Second Term |                                                                     |                 |    |           |                                        |                 |         |             |
| Course code | Course name                                                         | Number of Hours |    |           | Final Scores ( at the end of the year) |                 |         |             |
|             |                                                                     | T               | FT | Total     | Assignment                             | Oral/ Practical | Written | Total       |
| 121 Ph      | General Physics (2)<br>a- Geometrical optics<br>b- Heat             | 2               | 2  | 8         | 15                                     | 25Practice      | 105     | 300         |
| 122 Ph      |                                                                     | 2               | 2  |           | 15                                     | 25              | 105     |             |
| 128 MS      | Mathematics (2)                                                     | 2               | 1  | 3         | 25                                     | -               | 100     | 125         |
| 121 Ch      | General Chemistry (1)                                               | 3               | 2  | 5         | 20                                     | 40practice      | 140     | 200         |
| 112 Z       | General Biology(2)<br>Animal                                        | 2               | 4  | 6         | 20                                     | 40 Practice     | 140     | 200         |
|             | Culture and education                                               | 6               | 2  | 8         |                                        |                 |         | 350         |
|             | <b>Total score</b>                                                  |                 |    | <b>32</b> |                                        |                 |         | <b>1175</b> |

برنامج: اعداد معلم الفيزياء باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

| Second year          |                                      |        |    |           |                                       |                |         |              |
|----------------------|--------------------------------------|--------|----|-----------|---------------------------------------|----------------|---------|--------------|
| 1 <sup>st</sup> term |                                      |        |    |           |                                       |                |         |              |
| Course code          | Course name                          | Hs no. |    |           | Final scores (at the end of the year) |                |         |              |
|                      |                                      | T      | FT | Total Hs  | Assignment                            | Oral /practice | written | Total scores |
| 211 Ph               | Thermodynamics                       | 2      | 2  | 8         | 15                                    | 30p            | 105     | 300          |
| 212 Ph               | Vibrations and waves                 | 2      | 2  |           | 15                                    | 30 p           | 105     |              |
| 213 Ph               | Astrophysics and Meteorology         | 2      | -  | 2         | 20                                    |                | 80      | 100          |
| Curr211              | Environmental Science(1)             | 2      | -  | 2         | 20                                    |                | 80      | 100          |
| 211 Ch               | Chemistry(1)                         | 2      | 2  | 4         | 15                                    | 30 p           | 105     | 150          |
| 216 MS               | Mathematics (3)                      | 2      | 1  | 9         | 25                                    |                | 100     | 375          |
| 217 MS               | -Linear Algebra                      |        |    |           |                                       |                |         |              |
| 218 MS               | -PROBABILITIES and STATICS           |        |    |           |                                       |                |         |              |
|                      | -differentiation and integration (2) | 2      | 1  |           | 25                                    |                | 100     |              |
|                      | Culture and education                | 4      | 3  | 7         |                                       |                |         | 275          |
|                      | <b>Total</b>                         |        |    | <b>32</b> |                                       |                |         | <b>1300</b>  |
| 2nd term             |                                      |        |    |           |                                       |                |         |              |
| Course code          | Course name                          | Hs no. |    |           | Final scores (at the end of the year) |                |         |              |
|                      |                                      | T      | FT |           | Assignment                            | Oral /practice | written | Total scores |
| 221 Ph               | - AC                                 | 2      | 1  | 6         | 15                                    | 25p            | 85      | 250          |
| 222 Ph               | - biophysics                         | 2      | 1  |           | 15                                    | 25p            | 85      |              |
| 223 Ph               | Optical physics                      | 2      | 2  | 4         | 15                                    | 30p            | 105     | 150          |
| 221 Ch               | Chemistry (2)                        | 2      | 2  | 4         | 15                                    | 30p            | 105     | 150          |
| 226 MS               | Mathematics (4)                      | 2      | 1  | 9         | 25                                    |                | 100     | 375          |
| 228 MS               | -Differential Equations              |        |    |           |                                       |                |         |              |
| 229 MS               | -APPLIED MATHEMATICS(1)              |        |    |           |                                       |                |         |              |
|                      | -APPLIED MATHEMATICS (2)             | 2      | 1  |           | 25                                    |                | 100     |              |
|                      | Culture and education                | 4      | 4  | 8         |                                       |                |         | 300          |
|                      | <b>Total</b>                         |        |    | <b>31</b> |                                       |                |         | <b>1225</b>  |

برنامج: اعداد معلم الفيزياء باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

| Third year           |                                            |          |    |          |                                       |                |         |              |
|----------------------|--------------------------------------------|----------|----|----------|---------------------------------------|----------------|---------|--------------|
| 1 <sup>st</sup> term |                                            |          |    |          |                                       |                |         |              |
| Course code          | Course name                                | Hs no.   |    |          | Final scores (at the end of the year) |                |         |              |
|                      |                                            | T        | FT | Total Hs | Assignment                            | Oral practice  | written | Total scores |
| 311 Ph               | Physics (atomic spectra)                   | 2        | 3  | 10       | 20                                    | 35p            | 120     | 350          |
| 312 Ph               | E-Optics                                   | 2        | 3  |          | 20                                    | 35p            | 120     |              |
| 313 Ph               | Quantum mechanics (1)                      | 2        | -  | 5        | 20                                    | -              | 80      | 225          |
| 314 Ph               | Theory of Relativity                       | 2        | 1  |          | 25                                    | -              | 100     |              |
| 315 Ph               | Statistical Physics                        | 2        | 1  | 3        | 25                                    |                | 100     | 125          |
| 318 MS               | MATHEMATICS (5)<br>-Differential Equations | 2        | 2  | 4        | 30                                    |                | 120     | 150          |
| Curr311              | Environmental Science(2)                   | 2        | -  | 2        | 20                                    |                | 80      | 100          |
|                      | Culture and education                      | 3        | 5  | 8        |                                       |                |         | 275          |
| Tra311               | Field Training                             | Full Day |    |          |                                       |                |         |              |
|                      | Total                                      |          |    | 32       |                                       |                |         | 1225         |
| 2nd term             |                                            |          |    |          |                                       |                |         |              |
| Course code          | Course name                                | Hs no.   |    |          | Final scores (at the end of the year) |                |         |              |
|                      |                                            | T        | FT | Total Hs | Assignment                            | Oral /practice | written | Total scores |
| 321 Ph               | Nuclear physics (1)                        | 2        | 2  | 8        | 15                                    | 30p            | 105     | 300          |
| 322 Ph               | Solid Physics (1)                          | 2        | 2  |          | 15                                    | 30p            | 105     |              |
| 323 Ph               | Quantum mechanics (2)                      | 2        | 1  | 6        | 25                                    |                | 100     | 250          |
| 322 Ph               | Computational physics                      | 2        | 1  |          | 25                                    |                | 100     |              |
| 325 Ph               | Application of computer in Physics         | 2        | 2  | 4        | 15                                    | 30p            | 105     | 150          |
| 328 MS               | MATHEMATICS (6)                            | 3        | 1  | 6        | 30                                    |                | 120     | 275          |
| 329 MS               |                                            | 2        |    |          | 25                                    |                | 100     |              |
|                      | Culture and education                      | 8        |    | 8        |                                       |                |         | 400          |
| Tra311               | Field Training                             | Full Day |    |          |                                       |                |         | 100          |
|                      | Total                                      |          |    | 32       |                                       |                |         | 1475         |

برنامج: اعداد معلم الفيزياء باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

| 4th year             |                                   |          |    |           |                                       |                |         |              |
|----------------------|-----------------------------------|----------|----|-----------|---------------------------------------|----------------|---------|--------------|
| 1 <sup>st</sup> term |                                   |          |    |           |                                       |                |         |              |
| Course code          | Course name                       | Hs no.   |    |           | Final scores (at the end of the year) |                |         |              |
|                      |                                   | T        | FT | Total Hs  | Assignment                            | Oral /practice | written | Total scores |
| 411 Ph               | Nuclear physics (2)               | 2        | 2  | 8         | 15                                    | 30p            | 105     | 300          |
| 412 Ph               | Solid Physics (2)                 | 2        | 2  |           | 15                                    | 30p            | 105     |              |
| 413 Ph               | Laser Physics                     | 2        | 2  | 8         | 15                                    | 30p            | 105     | 300          |
| 414 Ph               | Electronic circuits               | 2        | 2  |           | 15                                    | 30p            | 105     |              |
| 415 Ph               | Plasma Physics                    | 2        | 1  | 6         | 25                                    | -              | 100     | 250          |
| 416 Ph               | Electrodynamics                   | 2        | 1  |           | 25                                    | -              | 100     |              |
| Curr411              | Integrated science                | 2        | -  | 2         | 20                                    | -              | 80      | 100          |
|                      | Culture and education             | 6        | 1  | 7         |                                       |                |         | 325          |
| Tra311               | Field Training                    | Full Day |    |           |                                       |                |         |              |
|                      | <b>Total</b>                      |          |    | <b>31</b> |                                       |                |         | <b>1275</b>  |
| 2nd term             |                                   |          |    |           |                                       |                |         |              |
| Course code          | Course name                       | Hs no.   |    |           | Final scores (at the end of the year) |                |         |              |
|                      |                                   | T        | FT | Total Hs  | Assignment                            | Oral /practice | written | Total scores |
| 421 Ph               | Radiation Physics                 | 2        | 2  | 8         | 15                                    | 30p            | 105     | 300          |
| 422 Ph               | New and renewable energy          | 2        | 2  |           | 15                                    | 30p            | 105     |              |
| 423 Ph               | Material physics                  | 2        | 2  | 8         | 15                                    | 30p            | 105     | 300          |
| 424 Ph               | Logic and numerical circuits      | 2        | 2  |           | 15                                    | 30p            | 105     |              |
| 425 Ph               | Magnetic resonance                | 2        | 1  | 5         | 25                                    |                | 100     | 225          |
| 427 Ph               | History and philosophy of Science | 2        |    |           | 20                                    |                | 80      |              |
| 426 Ph               | Article and research              | 2        | 1  | 3         | 10                                    | 15             | 100     | 125          |
|                      | Culture and education             | 4        | 1  | 5         |                                       |                |         | 225          |
| Tra311               | Field Training                    | Full Day |    |           |                                       |                |         | 100          |
|                      | <b>Total</b>                      |          |    | <b>29</b> |                                       |                |         | <b>1275</b>  |

**برنامج : اعداد معلم البيولوجى أساسى**

**وجيولوجيا فرعي باللغة الانجليزية**

**(مرحلة التعليم الإعدادي والثانوي)**

برنامج : اعداد معلم البيولوجى أساسى وجيولوجيا فرعى باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

### Basic Biology- Sub Geology

| First year           |                                                   |        |        |           |                                       |                            |            |              |
|----------------------|---------------------------------------------------|--------|--------|-----------|---------------------------------------|----------------------------|------------|--------------|
| 1 <sup>st</sup> term |                                                   |        |        |           |                                       |                            |            |              |
| Course code          | Course name                                       | Hs no. |        |           | Final scores (at the end of the year) |                            |            |              |
|                      |                                                   | T      | FT     | Total Hs  | Assignment                            | Oral /practice             | written    | Total scores |
| 111 B                | General Biology                                   | 2      | 2      | 8         | 15                                    | 30 Practice                | 105        | 300          |
| 112 B                | Biological diversity                              | 2      | 2      |           | 15                                    | 30 Practice                | 105        |              |
| 111 Ch               | General Chemistry                                 | 3      | 3      | 6         | 30                                    | 40 Practice                | 155        | 225          |
| 111 Ph<br>112 Ph     | General Physics                                   |        |        |           |                                       |                            |            |              |
|                      | c- Properties matter<br>d- Electricity, Magnetism | 2<br>2 | 1<br>1 | 6         | 10<br>10                              | 20 Practice<br>20 Practice | 95<br>95   | 250          |
| 118 MS               | Mathematics (1)                                   | 2      | -      | 2         | 20                                    |                            | 80         | 100          |
| 123 G                | General geology                                   | 1      | 1      | 2         | 10                                    | 15 Practice                | 50         | 75           |
|                      | Culture and education                             | 6      | -      | 6         |                                       |                            |            | 300          |
|                      | <b>Total</b>                                      |        |        | <b>30</b> |                                       |                            |            | <b>1250</b>  |
| 2nd term             |                                                   |        |        |           |                                       |                            |            |              |
| Course code          | Course name                                       | Hs no. |        |           | Final scores (at the end of the year) |                            |            |              |
|                      |                                                   | T      | FT     | Total Hs  | Assignment                            | Oral /practice             | written    | Total scores |
| 121 Z<br>122 B       | Human Body<br>Plant Morphology and Anatomy        | 2<br>2 | 2<br>2 | 8         | 15<br>15                              | 30 Practice<br>30 Practice | 105<br>105 | 300          |
| 122 Ch               | General chemistry(2)                              | 3      | 3      | 6         | 25                                    | 45 Practice                | 155        | 225          |
| 122 Ph<br>121 Ph     | General Physics (2)                               |        |        |           |                                       |                            |            |              |
|                      | c-Geometrical optics<br>d- Heat                   | 2<br>2 | 1<br>1 | 6         | 10<br>10                              | 20 Practice<br>20 Practice | 95<br>95   | 250          |
| 128 MS               | Mathematics (2)                                   | 2      | 1      | 3         | 25                                    |                            | 100        | 125          |
|                      | Culture and education                             | 6      | 2      | 8         |                                       |                            |            | 350          |
|                      | <b>Total</b>                                      |        |        | <b>31</b> |                                       |                            |            | <b>1250</b>  |

برنامج : اعداد معلم البيولوجى أساسى وجيولوجيا فرعي باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

## Basic Biology- Sub Geology

| Second year          |                                    |        |       |           |                                        |                |         |              |
|----------------------|------------------------------------|--------|-------|-----------|----------------------------------------|----------------|---------|--------------|
| 1 <sup>st</sup> term |                                    |        |       |           |                                        |                |         |              |
| Course code          | Course name                        | Hs no. |       |           | Final scores (at the end of the year)  |                |         |              |
|                      |                                    | T      | FT    | Total Hs  | Assignment                             | Oral /practice | written | Total scores |
| 211 Z                | Invertebrate                       | 3      | 2     | 9         | 20                                     | 40 Practice    | 140     | 350          |
| 212 Z                | Histology and Microscopic Technics | 2      | 2     |           | 15                                     | 30 Practice    | 105     |              |
| 213 B                | Microbiology                       | 2      | 2     | 8         | 15                                     | 30 Practice    | 105     | 100          |
| 214 B                | Algae                              | 2      | 2     |           | 15                                     | 30 Practice    | 105     |              |
| 215 G                | Earth material                     | 1      | 2     | 3         | 10                                     | 20 Practice    | 70      | 100          |
| 211 CH               | Chemistry                          | 2      | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
|                      | Culture and education              | 4      | 3     | 7         |                                        |                |         | 275          |
|                      | <b>Total</b>                       |        |       | <b>31</b> |                                        |                |         | <b>1175</b>  |
| 2nd term             |                                    |        |       |           |                                        |                |         |              |
| Course code          | Course name                        | Hs no. |       |           | Final scores (at the end of the year.) |                |         |              |
|                      |                                    | T      | FT    | Total Hs  | Assignment                             | Oral/ practice | written | Total scores |
| 221 Z                | Chordate                           | 2      | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 222 Z                | Animal physiology (1)              | 2      | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 223 B                | Plant Ecology +Plant Economy       | (2+1)  | (2+2) | 7         | 25                                     | 50 Practice    | 175     | 250          |
| Curr211L             | Ecology                            | 2      |       | 2         | 20                                     |                | 80      | 100          |
| 224 B                | Plant Physiology                   | 2      | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 225 G                | Mineralogy + Economic resource     | 1      | 2     | 3         | 10                                     | 20 Practice    | 70      | 100          |
|                      | Culture and education              | 4      | 4     | 8         |                                        |                |         | 300          |
|                      | <b>Total</b>                       |        |       | <b>32</b> |                                        |                |         | <b>1200</b>  |

برنامج : اعداد معلم البيولوجى أساسى وجيولوجيا فرعي باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

### Basic Biology- Sub Geology

| Third year           |                                                                   |          |       |           |                                        |                |         |              |
|----------------------|-------------------------------------------------------------------|----------|-------|-----------|----------------------------------------|----------------|---------|--------------|
| 1 <sup>st</sup> term |                                                                   |          |       |           |                                        |                |         |              |
| Course code          | Course name                                                       | Hs no.   |       |           | Final scores (at the end of the year)  |                |         |              |
|                      |                                                                   | T        | FT    | Total     | Assignment                             | Oral/ practice | written | Total scores |
| 311 Z                | Cell+ Molecular Biology Embryology archegoniate                   | 1+1      | 2     | 8         | 15                                     | 30 Practice    | 105     | 300          |
| 312 Z                |                                                                   | 2        | 2     |           |                                        | 30 Practice    | 105     |              |
| 313 B                | Virology and Bacteriology                                         | 1        | 2     | 8         | 10                                     | 20 Practice    | 70      | 300          |
|                      |                                                                   | 1+2      | 2     |           | 20                                     | 40 Practice    | 140     |              |
| 314 B                | Stratigraphy and earth histology                                  | 1        | 2     | 3         | 10                                     | 20 Practice    | 70      | 100          |
| 315 G                | Biochemistry                                                      | 2        | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 311 Ch               | Ecology (2)                                                       | 2        | -     | 2         | 20                                     | --             | 80      | 100          |
| Curr311              | Culture and education                                             | 3        | 5     | 8         |                                        |                |         | 275          |
|                      | Field Training                                                    | Full Day |       |           |                                        |                |         |              |
|                      | <b>Total</b>                                                      |          |       | <b>33</b> |                                        |                |         | <b>1225</b>  |
| 2nd term             |                                                                   |          |       |           |                                        |                |         |              |
| Course code          | Course name                                                       | Hs no.   |       |           | Final scores (at the end of the year). |                |         |              |
|                      |                                                                   | T        | FT    | T         | Assignment                             | Oral /practice | written | Total scores |
| 321 Z                | Animal Physiology (2)                                             | 2        | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 322 Z                | Parasitology and Immunity                                         | 2        | 2     | 4         | 15                                     | 30 Practice    | 105     | 150          |
| 323 B                | Taxonomy + Advanced plant anatomy                                 | (1+1)    | (2+2) | 6         | 20                                     | 40 Practice    | 140     | 200          |
| 325 G                | Geologic Structures + Sedimentary Petrology                       | (2+1)    | 2     | 5         | 20                                     | 40 Practice    | 140     | 200          |
| 324 B                | Ecological microbiology                                           | 2        | -     | 2         | 20                                     | --             | 80      | 100          |
| 326 B                | Optional courses Applied Microbiology Radio Bio Selected subjects |          |       |           |                                        | 30 Practice    | 105     | 150          |
| 327 B                |                                                                   | 2        | 2     | 4         | 15                                     |                |         |              |
| 328 B                |                                                                   |          |       |           |                                        |                |         |              |
|                      | Culture and education                                             | 8        | -     | 8         |                                        |                |         | 400          |
|                      | Field Training                                                    | Full Day |       |           |                                        |                |         | 100          |
|                      | <b>Total</b>                                                      |          |       | <b>33</b> |                                        |                |         | <b>1450</b>  |

برنامج : اعداد معلم البيولوجى أساسى وجيولوجيا فرعي باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

## Basic Biology- Sub Geology

| 4th year    |                                                    |          |       |           |                                        |                |         |             |
|-------------|----------------------------------------------------|----------|-------|-----------|----------------------------------------|----------------|---------|-------------|
| First term  |                                                    |          |       |           |                                        |                |         |             |
| Course code | Course name                                        | Hs no.   |       |           | Final scores ( at the end of the year) |                |         |             |
|             |                                                    | T        | FT    | Total     | Assignment                             | Oral/ practice | Written | Total       |
| 411 z       | Vertebrate Comparative Anatomy + Organic Evolution | (2+1)    | 2     | 5         | 20                                     | 40 Practice    | 140     | 200         |
| 412 Z       | Animal Ecology + Animal behavior                   | (1+1)    | (2+0) | 4         | 15                                     | 30 Practice    | 105     | 150         |
| 413 B       | Plant Physiology(2)                                | 2        | 2     | 4         | 15                                     | 30 Practice    | 105     | 150         |
| 414 B       | Mycology                                           | 2        | 2     | 4         | 15                                     | 30 Practice    | 105     | 150         |
| 415 G       | Ecological Geology+ Astronomy                      | (2+2)    | -     | 4         | 40                                     | --             | 160     | 200         |
|             | Culture and education                              | 6        | 1     | 7         |                                        |                |         | 325         |
|             | Field Training                                     | Full Day |       |           |                                        |                |         |             |
|             | <b>Total</b>                                       |          |       | <b>28</b> |                                        |                |         | <b>1175</b> |
| 2nd term    |                                                    |          |       |           |                                        |                |         |             |
| Course code | Course name                                        | Hs no.   |       |           | Final scores ( at the end of the year) |                |         |             |
|             |                                                    | T        | FT    | T         | Assignment                             | Oral /practice | Written | Total       |
| 421 Z       | Entomology                                         | 2        | 2     | 8         | 15                                     | 30 Practice    | 105     | 300         |
| 422 Z       | Aquariums + Animal Economy                         | 2        | 2     |           | 15                                     | 30 Practice    | 105     |             |
| 424 B       | Genetics + Egyptian Flora                          | (2+1)    | (1+2) | 6         | 25                                     | 45 Practice    | 155     | 225         |
| 423 B       | biotechnology                                      | 2        | 2     | 7         | 15                                     | 30 Practice    | 105     | 275         |
| 425 G       | Geophysics                                         | 2        | 1     |           | 10                                     | 25 Practice    | 90      |             |
| 426 B       | Optional courses                                   |          |       | 2         | 20                                     | --             | 80      | 100         |
| 427 B       | Applied Entomology                                 | 2        |       |           |                                        |                |         |             |
| 428 B       | Biohistory                                         |          |       |           |                                        |                |         |             |
|             | Selected subjects                                  |          |       |           |                                        |                |         |             |
|             | Culture and education                              | 4        | 1     | 5         |                                        |                |         | 225         |
|             | Field Training                                     | Full Day |       |           |                                        |                |         | 100         |
|             | <b>Total</b>                                       |          |       | <b>28</b> |                                        |                |         | <b>1225</b> |

**برنامج : اعداد معلم الجيولوجيا أساسى**

**والبيولوجي فرعي باللغة الانجليزية**

**(مرحلة التعليم الإعدادي والثانوي)**

برنامج اعداد معلم الجيولوجيا أساسى وبيولوجى فرعى باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)

**Basic Geology - Sub Biology**

| <b>First year</b>          |                                                  |        |    |           |                                       |                |         |              |
|----------------------------|--------------------------------------------------|--------|----|-----------|---------------------------------------|----------------|---------|--------------|
| <b>1<sup>st</sup> term</b> |                                                  |        |    |           |                                       |                |         |              |
| Course code                | Course name                                      | Hs no. |    |           | Final scores (at the end of the year) |                |         |              |
|                            |                                                  | T      | FT | Total Hs  | Assignment                            | Oral/ practice | written | Total scores |
| 111 B                      | General Biology                                  | 2      | 2  | 8         | 15                                    | 30 practice    | 105     | 300          |
| 112 B                      | Biological diversity                             | 2      | 2  |           | 15                                    | 30practice     | 105     |              |
| 111 Ch                     | General Chemistry                                | 3      | 3  | 6         | 30                                    | 40 practice    | 155     | 225          |
| 111 Ph                     | General Physics                                  | 2      | 1  | 6         | 10                                    | 20 Practice    | 95      | 250          |
| 112 Ph                     | -Properties matter<br>-Electricity,<br>Magnetism | 2      | 1  |           | 10                                    | 20 practice    | 95      |              |
| 118 MS                     | Mathematics (1)                                  | 2      | -  | 2         | 20                                    |                | 80      | 100          |
| 123 G                      | General geology                                  | 1      | 1  | 2         | 10                                    | 15practice     | 50      | 75           |
|                            | Culture and education                            | 6      | -  | 6         |                                       |                |         | 300          |
|                            | <b>Total</b>                                     |        |    | <b>30</b> |                                       |                |         | <b>1250</b>  |
| <b>2nd term</b>            |                                                  |        |    |           |                                       |                |         |              |
| Course code                | Course name                                      | Hs no. |    |           | Final scores (at the end of the year) |                |         |              |
|                            |                                                  | T      | FT | Total Hs  | Assignment                            | Oral/ practice | written | Total scores |
| 121 Z                      | Human Body                                       | 2      | 2  | 8         | 15                                    | 30practice     | 105     | 300          |
| 122 B                      | Plant Morphology and Anatomy                     | 2      | 2  |           | 15                                    | 30practice     | 105     |              |
| 122 Ch                     | General chemistry(2)                             | 3      | 3  | 6         | 25                                    | 45practice     | 155     | 225          |
| 122 Ph                     | General Physics (2)                              | 2      | 1  | 6         | 10                                    | 20practice     | 95      | 250          |
| 121 Ph                     | Geometrical optics<br>Heat                       | 2      |    | 1         | 10                                    | 20practice     | 95      |              |
| 128 MS                     | Mathematics (2)                                  | 2      | 1  | 3         | 25                                    |                | 100     | 125          |
|                            | Culture and education                            | 6      | 2  | 8         |                                       |                |         | 350          |
|                            | <b>Total</b>                                     |        |    | <b>31</b> |                                       |                |         | <b>1250</b>  |

برنامج اعداد معلم الجيولوجيا أساسى وبيولوجى فرعي باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)  
Basic Geology - Sub Biology

| Second year          |                                             |        |        |           |                                       |                    |           |              |
|----------------------|---------------------------------------------|--------|--------|-----------|---------------------------------------|--------------------|-----------|--------------|
| 1 <sup>st</sup> term |                                             |        |        |           |                                       |                    |           |              |
| Course code          | Course name                                 | Hs no. |        |           | Final scores (at the end of the year  |                    |           |              |
|                      |                                             | T      | FT     | Total     | Assignment                            | Oral/<br>practice  | written   | Total scores |
| 211 G                | Mineralogy and Earth Materials              | 2      | 2      | 4         | 15                                    | 30<br>Practice     | 105       | 150          |
| 212 G                | Astronomy(1) and Solar system               | 2      | 1      | 3         | 25                                    |                    | 100       | 125          |
| 211 Z                | Invertebrate                                | 3      | 2      | 5         | 20                                    | 40<br>Practice     | 140       | 200          |
| 413 Z<br>212 Z       | Histology+ animal Ecology                   | (1+1)  | (2+2)  | 6         | 20                                    | 40<br>Practice     | 140       | 200          |
| 122 B<br>Curr211     | Plant Morphology and Anatomy Ecology(1)     | 2<br>2 | 2<br>- | 6         | 15<br>20                              | 30 practice        | 105<br>80 | 250          |
|                      | Culture and education                       | 4      | 3      | 7         |                                       |                    |           | 275          |
|                      | <b>Total</b>                                |        |        | <b>31</b> |                                       |                    |           | <b>1200</b>  |
| 2 <sup>nd</sup> term |                                             |        |        |           |                                       |                    |           |              |
| Course code          | Course name                                 | Hs no. |        |           | Final scores (at the end of the year. |                    |           |              |
|                      |                                             | T      | FT     | Total Hs  | Assignment                            | Oral /<br>practice | written   | Total scores |
| 223 G                | Igneous Petrology and Metamorphic Petrology | 2      | 2      | 4         | 15                                    | 30practice         | 105       | 150          |
| 327 G                | Sedimentary Petrology                       | 2      | 2      | 4         | 15                                    | 30practice         | 105       | 150          |
| 221Z                 | Chordate                                    | 3      | 2      | 5         | 20                                    | 40practice         | 140       | 200          |
| 222Z                 | Animal physiology                           | 2      | 2      | 4         | 15                                    | 30practice         | 105       | 150          |
| 224 B                | Plant physiology                            | 2      | 2      | 4         | 15                                    | 30practice         | 105       | 150          |
|                      | Culture and education                       | 4      | 4      | 8         |                                       |                    |           | 300          |
|                      | <b>Total</b>                                |        |        | <b>29</b> |                                       |                    |           | <b>1100</b>  |

برنامج اعداد معلم الجيولوجيا أساسى وبيولوجى فرعي باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)  
Basic Geology - Sub Biology

| Third year           |                                      |          |       |           |                                       |                   |         |              |
|----------------------|--------------------------------------|----------|-------|-----------|---------------------------------------|-------------------|---------|--------------|
| 1 <sup>st</sup> term |                                      |          |       |           |                                       |                   |         |              |
| Course code          | Course name                          | Hs no.   |       |           | Final scores (at the end of the year  |                   |         |              |
|                      |                                      | T        | FT    | Total     | Assignment                            | Oral/<br>practice | written | Total scores |
| 311 G                | Astronomy (2)<br>Galaxies and stars  | 1        | 2     | 3         | 10                                    | 20 practice       | 70      | 100          |
| 312 G                | Invertebrate Fossils                 | 2        | 2     | 4         | 15                                    | 30 practice       | 105     | 150          |
| 313 G                | Microfossils                         | 2        | 2     | 8         | 15                                    | 30 practice       | 105     | 300          |
| 311 Z                | Organic Evolution                    | 2        | 2     |           | 15                                    | 30 practice       | 105     |              |
| 422 B                | Aquariums +Algae                     | (2+2)    | 2     | 6         | 25                                    | 50 practice       | 175     | 250          |
|                      | Culture and education                | 3        | 5     | 8         |                                       |                   |         | 275          |
|                      | Field Training                       | Full Day |       |           |                                       |                   |         |              |
|                      | <b>Total</b>                         |          |       | <b>29</b> |                                       |                   |         | <b>1075</b>  |
| 2nd term             |                                      |          |       |           |                                       |                   |         |              |
| Course code          | Course name                          | Hs no.   |       |           | Final scores (at the end of the year. |                   |         |              |
|                      |                                      | T        | FT    | Total     | Assignment                            | Oral/<br>practice | written | Total scores |
| 326 G                | Geologic Structures                  | 2        | 2     | 4         | 15                                    | 30Practice        | 105     | 150          |
| 322 B                | Eco geology+<br>Meteorology          | (1+1)    | (2+2) | 6         | 20                                    | 40practice        | 140     | 200          |
| 324 G                | Stratigraphy                         | 2        | 2     | 4         | 15                                    | 30practice        | 105     | 150          |
| 323 B                | Taxonomy + Advanced<br>plant anatomy | 1        | 2     | 3         | 10                                    | 20practice        | 70      | 100          |
| 324 B                | Microbiology                         | 2        | -     | 2         | 20                                    |                   | 80      | 100          |
| Curr311L             | Ecology (2)                          | 2        | -     | 2         | 20                                    | --                | 80      | 100          |
|                      | Culture and education                | 8        |       | 8         |                                       |                   |         | 400          |
|                      | Field Training                       | Full Day |       |           |                                       |                   |         |              |
|                      | <b>Total</b>                         |          |       | <b>29</b> |                                       |                   |         | <b>1300</b>  |

برنامج اعداد معلم الجيولوجيا أساسى وبيولوجى فرعى باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)  
Basic Geology - Sub Biology

| 4th year             |                                    |          |    |       |                                        |                   |         |       |
|----------------------|------------------------------------|----------|----|-------|----------------------------------------|-------------------|---------|-------|
| 1 <sup>st</sup> term |                                    |          |    |       |                                        |                   |         |       |
| Course code          | Course name                        | Hs no.   |    |       | Final scores ( at the end of the year) |                   |         |       |
|                      |                                    | T        | FT | Total | Assignment                             | Oral/<br>practice | written | Total |
| 411 G                | Geophysics(2)                      | 2        | 2  | 4     | 15                                     | 30 practice       | 105     | 150   |
| 412 G                | Mapping and field Geology          | 2        | 2  | 4     | 15                                     | 30 practice       | 105     | 150   |
| 413 G                | Geomorphology                      | 2        | 2  | 8     | 15                                     | 30 practice       | 105     | 300   |
| 312 Z                | Embryology                         | 2        | 2  |       | 15                                     | 30 practice       | 105     |       |
| 421 Z                | Entomology                         | 2        | 2  | 4     | 15                                     | 30 practice       | 105     | 150   |
|                      | Culture and education              | 6        | 1  | 7     |                                        |                   |         | 325   |
|                      | Field Training                     | Full Day |    |       |                                        |                   |         |       |
|                      | <b>Total</b>                       |          |    | 27    |                                        |                   |         | 1075  |
| 2nd term             |                                    |          |    |       |                                        |                   |         |       |
| Course code          | Course name                        | Hs no.   |    |       | Final scores ( at the end of the year) |                   |         |       |
|                      |                                    | T        | FT | T     | Assignment                             | Oral/<br>practice | written | Total |
| 421 G                | Geophysics(2)                      | 2        | 2  | 4     | 15                                     | 30 practice       | 105     | 150   |
| 422 G                | Geology of Egypt                   | 2        | 1  | 5     | 15                                     | 25 practice       | 90      | 225   |
| 424 G                | Geological dangerous               | 2        |    |       | 15                                     |                   | 80      |       |
| 423 G                | Application of computer in Geology | 1        | 2  | 3     | 10                                     | 20 practice       | 70      | 100   |
| 422 B                | Cell+ Molecular Biology            | 2        | 2  | 8     | 15                                     | 30 practice       | 105     | 300   |
|                      | Plant diversity and Evolution      | 2        | 2  |       | 15                                     | 30 practice       | 105     |       |
|                      | Integrated science                 | 2        |    | 2     | 20                                     | --                | 80      | 100   |
|                      | Culture and education              | 4        | 1  | 5     |                                        |                   |         | 225   |
|                      | Field Training                     | Full Day |    |       |                                        |                   |         | 100   |
|                      | <b>Total</b>                       |          |    | 27    |                                        |                   |         | 1200  |

**برنامج : اعداد معلم الرياضيات باللغة الانجليزية**

**(مرحلة التعليم الإعدادي والثانوي)**

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)  
Mathematics Program

| First Year   |                                  |                 |                           |           |                                           |                    |                 |                |
|--------------|----------------------------------|-----------------|---------------------------|-----------|-------------------------------------------|--------------------|-----------------|----------------|
| First term   |                                  |                 |                           |           |                                           |                    |                 |                |
| Course No.   | Course Name                      | Number of Hours |                           |           | Final Scores<br>( at the end of the year) |                    |                 |                |
|              |                                  | Lecture         | Tutorial/<br>Experimental | Total     | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M110         | Introduction to Computer Science | 1               | 3                         | 4         | 25                                        | -                  | 100             | 125            |
| M111         | Fundamental of Mathematics       | 2               | 1                         | 3         | 25                                        | -                  | 100             | 250            |
| M112         | Advanced Algebra                 | 2               | 1                         | 3         | 25                                        |                    | 100             |                |
| M113         | Calculus (I)                     | 3               | 2                         | 5         | 40                                        | -                  | 160             | 200            |
| M114         | Fundamental of Mechanics         | 4               | 2                         | 6         | 50                                        | -                  | 200             | 250            |
| Ph111        | Properties matter                | 2               | 1                         | 3         | 10                                        | 15 Prac.           | 100             | 250            |
| Ph112        | Electricity, Magnetism           | 2               | 1                         | 3         | 10                                        | 15 Prac.           | 100             |                |
|              | Culture and Education            | 6               | -                         | 6         |                                           |                    |                 | 300            |
| <b>Total</b> |                                  | <b>22</b>       | <b>11</b>                 | <b>33</b> |                                           |                    |                 | <b>1375</b>    |

| Second term  |                                     |                 |                           |           |                                           |                    |                 |                |
|--------------|-------------------------------------|-----------------|---------------------------|-----------|-------------------------------------------|--------------------|-----------------|----------------|
| Course No.   | Course Name                         | Number of Hours |                           |           | Final Scores<br>( at the end of the year) |                    |                 |                |
|              |                                     | Lecture         | Tutorial/<br>Experimental | Total     | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M121         | Philosophy & History of Mathematics | 2               | 1                         | 3         | 25                                        |                    | 100             | 125            |
| M122         | Analytical Geometry in the Plane    | 2               | 2                         | 4         | 30                                        |                    | 120             | 150            |
| M123         | Calculus (II)                       | 3               | 2                         | 5         | 40                                        |                    | 160             | 200            |
| M124         | Mechanics                           | 4               | 2                         | 6         | 50                                        |                    | 205             | 250            |
| Ph121        | Heat                                | 2               | 1                         | 3         | 10                                        | 15 Prac.           | 100             | 250            |
| Ph122        | Geometrical optics                  | 2               | 1                         | 3         | 10                                        | 15 Prac.           | 100             |                |
|              | Culture and Education               | 6               | 2                         | 8         |                                           |                    |                 | 300            |
| <b>Total</b> |                                     | <b>21</b>       | <b>11</b>                 | <b>32</b> |                                           |                    |                 | <b>1275</b>    |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

Mathematics Program



Second Year

First Term

| Course No. | Course Name                          | Number of Hours |                           |       | Final Scores<br>( at the end of the year) |                    |                 |                |
|------------|--------------------------------------|-----------------|---------------------------|-------|-------------------------------------------|--------------------|-----------------|----------------|
|            |                                      | Lecture         | Tutorial/<br>Experimental | Total | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M210       | Introduction to Computer Programming | 2               | 2                         | 4     | 30                                        |                    | 120             | 150            |
| M211       | Solid Analytic Geometry              | 2               | 1                         | 3     | 25                                        |                    | 100             | 250            |
| M212       | Introduction to Probability Theory   | 2               | 1                         | 3     | 25                                        |                    | 100             |                |
| M213       | Mathematical Analysis (I)            | 3               | 2                         | 5     | 40                                        |                    | 160             | 200            |
| M214       | Statics                              | 3               | 2                         | 5     | 40                                        |                    | 160             | 200            |
| Ph211      | Thermodynamics                       | 2               | 1                         | 3     | 10                                        | 15 Prac.           | 100             | 250            |
| Ph216      | Advanced physics                     | 2               | 1                         | 3     | 10                                        | 15 Prac.           | 100             |                |
|            | Culture and Education                | 4               | 3                         | 7     |                                           |                    |                 | 275            |
| Total      |                                      | 20              | 13                        | 33    |                                           |                    |                 | 1325           |

Second Term

| Course No. | Course Name                | Number of Hours |                           |       | Final Scores<br>( at the end of the year) |                    |                 |                |
|------------|----------------------------|-----------------|---------------------------|-------|-------------------------------------------|--------------------|-----------------|----------------|
|            |                            | Lecture         | Tutorial/<br>Experimental | Total | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M221       | Differential Equations     | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M222       | Linear Algebra             | 3               | 2                         | 5     | 40                                        |                    | 160             | 200            |
| M123       | Mathematical Analysis (II) | 3               | 2                         | 5     | 40                                        |                    | 160             | 200            |
| M224       | Dynamics                   | 3               | 2                         | 5     | 40                                        |                    | 160             | 200            |
| Ph223      | Optical physics            | 2               | 1                         | 3     | 10                                        | 15 Prac.           | 100             | 250            |
| Ph224      | Alternating current        | 2               | 1                         | 3     | 10                                        | 15 Prac.           | 100             |                |
|            | Culture and Education      | 4               | 4                         | 8     |                                           |                    |                 | 300            |
| Total      |                            | 19              | 13                        | 32    |                                           |                    |                 | 1275           |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية

(مرحلة التعليم الإعدادي والثانوي)

Mathematics Program



| Third Year   |                                                 |                 |                           |        |                                           |                    |                 |                |
|--------------|-------------------------------------------------|-----------------|---------------------------|--------|-------------------------------------------|--------------------|-----------------|----------------|
| First Term   |                                                 |                 |                           |        |                                           |                    |                 |                |
| Course No.   | Course Name                                     | Number of Hours |                           |        | Final Scores<br>( at the end of the year) |                    |                 |                |
|              |                                                 | Lecture         | Tutorial/<br>Experimental | Total  | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M311         | Partial Differential Equations                  | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M312         | Group Theory                                    | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M313         | Complex Analysis                                | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M314         | Operations Research (O.R.)                      | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M315<br>M316 | Theory of Electricity<br>Dynamics of Rigid Body | 2<br>2          | 1<br>1                    | 3<br>3 | 25<br>25                                  |                    | 100<br>100      | 250            |
|              | Culture and Education                           | 3               | 5                         | 8      |                                           |                    |                 | 275            |
| Tra311       | Field Training                                  | Full day        |                           |        |                                           |                    |                 |                |
| Total        |                                                 | 15              | 11                        | 26     |                                           |                    |                 | 1025           |

| Second Term  |                                            |                 |                           |        |                                           |                    |                 |                |
|--------------|--------------------------------------------|-----------------|---------------------------|--------|-------------------------------------------|--------------------|-----------------|----------------|
| Course No.   | Course Name                                | Number of Hours |                           |        | Final Scores<br>( at the end of the year) |                    |                 |                |
|              |                                            | Lecture         | Tutorial/<br>Experimental | Total  | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M321         | Special Functions                          | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M322         | Numerical Analysis                         | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M323         | Real Analysis                              | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M324         | Statistical Analysis                       | 2               | 1                         | 3      | 25                                        |                    | 100             | 125            |
| M325<br>M326 | continuum Mechanics<br>Analytical Dynamics | 2<br>2          | 1<br>1                    | 3<br>3 | 25<br>25                                  |                    | 100<br>100      | 250            |
|              | Culture and Education                      | 8               | -                         | 8      |                                           |                    |                 | 400            |
| Tra311       | Field Training                             | Full day        |                           |        |                                           |                    |                 | 100            |
| Total        |                                            | 20              | 6                         | 26     |                                           |                    |                 | 1250           |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الإعدادي والثانوي)  
Mathematics Program

| Fourth Year |                              |                 |                           |       |                                           |                    |                 |                |
|-------------|------------------------------|-----------------|---------------------------|-------|-------------------------------------------|--------------------|-----------------|----------------|
| First Term  |                              |                 |                           |       |                                           |                    |                 |                |
| Course No.  | Course Name                  | Number of Hours |                           |       | Final Scores<br>( at the end of the year) |                    |                 |                |
|             |                              | Lecture         | Tutorial/<br>Experimental | Total | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M410        | Information Technology       | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M411        | Rings and Fields             | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M412        | Functional Analysis          | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M413        | Advanced Statistical Methods | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M414        | Theory of Relativity         | 2               | 1                         | 3     | 25                                        |                    | 100             | 250            |
| M415        | Fluid Dynamics (I)           | 2               | 1                         | 3     | 25                                        |                    | 100             |                |
|             | Culture and Education        | 6               | 1                         | 7     |                                           |                    |                 | 325            |
| Tra311      | Field Training               | Full day        |                           |       |                                           |                    |                 |                |
| Total       |                              | 18              | 7                         | 25    |                                           |                    |                 | 1075           |

| Second Term |                                                 |                 |                           |       |                                           |                    |                 |                |
|-------------|-------------------------------------------------|-----------------|---------------------------|-------|-------------------------------------------|--------------------|-----------------|----------------|
| Course No.  | Course Name                                     | Number of Hours |                           |       | Final Scores<br>( at the end of the year) |                    |                 |                |
|             |                                                 | Lecture         | Tutorial/<br>Experimental | Total | Assignment                                | Oral/<br>Practical | Written<br>Exam | Total<br>Score |
| M420        | Software Packages for Mathematical Applications | 1               | 3                         | 4     | 25                                        |                    | 100             | 125            |
| M421        | Integral Equations                              | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M422        | Differential Geometry                           | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M423        | General Topology                                | 2               | 1                         | 3     | 25                                        |                    | 100             | 125            |
| M424        | Quantum Mechanics                               | 2               | 1                         | 3     | 25                                        |                    | 100             | 250            |
| M425        | Fluid Dynamics (II)                             | 2               | 1                         | 3     | 25                                        |                    | 100             |                |
|             | Culture and Education                           | 4               | 1                         | 5     |                                           |                    |                 | 225            |
| Tra311      | Field Training                                  | Full day        |                           |       |                                           |                    |                 | 100            |
| Total       |                                                 | 15              | 9                         | 24    |                                           |                    |                 | 1075           |

**ثانيا : درجة البكالوريوس في إعداد معلم العلوم والتربية باللغة**

**الإنجليزية (مرحلة التعليم الأساسي) في أحد التخصصات التالية**

- برنامج: اعداد معلم العلوم باللغة الانجليزية (مرحلة التعليم الأساسي)
- برنامج: اعداد معلم الرياضيات باللغة الانجليزية (مرحلة التعليم الأساسي)

**برنامج: اعداد معلم العلوم باللغة الانجليزية**

**(مرحلة التعليم الأساسي)**

برنامج: اعداد معلم العلوم باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| First year                  |                                                       |        |    |           |                                      |                   |         |              |
|-----------------------------|-------------------------------------------------------|--------|----|-----------|--------------------------------------|-------------------|---------|--------------|
| First term                  |                                                       |        |    |           |                                      |                   |         |              |
| Course code                 | Course name                                           | Hs no. |    |           | Final scores(at the end of the year) |                   |         |              |
|                             |                                                       | T      | FT | Total hs  | Assignment                           | Oral/<br>practice | written | Total scores |
| <b>Ed 111</b>               | Teacher and teaching profession                       | 2      | -  | 2         | 20                                   |                   | 80      | 100          |
| <b>A 111</b>                | * Arabic<br>*life and religion                        | 2      | 3  | 9         | 35                                   |                   | 140     | 375          |
|                             |                                                       | 2      | 2  |           | 40                                   |                   | 160     |              |
| <b>Eng 121</b>              | English                                               | 2      | 2  | 4         | 30                                   |                   | 120     | 150          |
| <b>H424<br/>Geog 412</b>    | Egypt modern history                                  | 2      |    | 4         | 20                                   |                   | 80      | 200          |
|                             | Egypt Geography                                       | 2      | -  |           | 20                                   |                   | 80      |              |
| <b>Curr211</b>              | <i>Environmental Science (1)</i>                      | 2      | -  | 2         | 20                                   | -                 | 80      | 100          |
| <b>0111MSA<br/>0112MSA</b>  | <u>mathematics:</u><br>* Fundamental of math's        | 2      | -  | 5         | 20                                   |                   | 80      | 225          |
|                             | *Algebra                                              | 2      | 1  |           | 25                                   |                   | 100     |              |
|                             | <b>Total</b>                                          |        |    | <b>26</b> |                                      |                   |         | <b>1150</b>  |
| Second term                 |                                                       |        |    |           |                                      |                   |         |              |
| Course code                 | Course name                                           | Hs no. |    |           | Final scores(at the end of the year) |                   |         |              |
|                             |                                                       | T      | FT | Total hs  | Assignment                           | Oral/<br>practice | written | Total scores |
| <b>Ed121</b>                | Educational Foundational                              | 2      | -  | 2         | 20                                   |                   | 80      | 100          |
| <b>111 Ph<br/>112 Ph</b>    | General physics<br>-Properties of matter              | 2      | 1  | 6         | 15                                   | 25<br>25          | 85      | 250          |
|                             | - Magnetic and Electricity                            | 2      | 1  |           | 15                                   |                   | 85      |              |
| <b>Psy121</b>               | Psychology Development                                | 2      | -  | 2         | 20                                   |                   | 80      | 100          |
| <b>A211</b>                 | Kids Literature                                       | 2      | -  | 2         | 20                                   |                   | 80      | 100          |
| <b>0122MSA<br/>0125 MSA</b> | Mathematics:<br>-Analytic geometry in the space       | 1      | 1  | 5         | 15                                   |                   | 60      | 225          |
|                             | -differentiation and integration                      | 3      | -  |           | 30                                   |                   | 120     |              |
| <b>111 Ch</b>               | General chemistry (1)                                 | 2      | 2  | 4         | 15                                   | 30                | 105     | 150          |
| <b>123 G</b>                | General Geology                                       | 1      | 1  | 2         | 15                                   |                   | 60      | 75           |
| <b>111 B</b>                | Biological and Geological Sciences<br>General biology | 2      | 2  | 4         | 15                                   | 30                | 105     | 150          |
|                             | <b>Total</b>                                          |        |    | <b>27</b> |                                      |                   |         | <b>1150</b>  |

برنامج: اعداد معلم العلوم باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Second Year |                                                                                  |        |           |                                      |            |                |         |              |
|-------------|----------------------------------------------------------------------------------|--------|-----------|--------------------------------------|------------|----------------|---------|--------------|
| First term  |                                                                                  |        |           |                                      |            |                |         |              |
| Course code | Course name                                                                      | Hs no. |           | Final scores(at the end of the year) |            |                |         |              |
|             |                                                                                  | T      | practical | Total hs                             | Assignment | Oral/ practice | written | Total scores |
| Ed211       | School and Classroom Management                                                  | 2      | -         | 2                                    | 20         | -              | 80      | 100          |
| Curr212     | Environmental Science (2)                                                        | 2      | -         | 2                                    | 20         | -              | 80      | 100          |
| 102 Ch      | Organic Chemistry                                                                | 2      | 2         | 4                                    | 15         | 30(practice)   | 105     | 150          |
| K115        | * Musical skills                                                                 | 1      | 2         | 6                                    | 10         | 20(practice)   | 70      | 200          |
| K125        | *kinetic skills                                                                  | 1      | 2         |                                      | 10         | 20(practice)   | 70      |              |
| 122B        | Biological and Geological Sciences Morphology and Plant anatomy+ Plant Taxonomy. | (1+2)  | 2         | 5                                    | 20         | 40             | 140     | 200          |
| 211G        | Earth materials+ Economic geology                                                | 3      | 2         | 5                                    | 20         | 40             | 140     | 200          |
| Curr211     | Microteaching (1)                                                                | -      | 2         | 2                                    | 30         | 20             | -       | 50           |
|             | Educational Course(optional)                                                     | 2      | -         | 2                                    | 20         |                | 80      | 100          |
|             | <b>Total scores</b>                                                              |        |           | <b>28</b>                            |            |                |         | <b>1100</b>  |
| Second term |                                                                                  |        |           |                                      |            |                |         |              |
| Course code | Course name                                                                      | Hs no. |           | Final scores(at the end of the year) |            |                |         |              |
|             |                                                                                  | T      | practical | Total hs                             | Assignment | Oral/ practice | written | Total scores |
| Psy211      | Learning psychology                                                              | 2      | 1         | 3                                    | 10         | 15             | 100     | 125          |
| Curr222     | Educational Technology(1)                                                        | 2      | 2         | 4                                    | 15         | 30             | 105     | 150          |
| 122MSA      | Analytic geometry in the space                                                   | 2      | -         | 2                                    | 20         |                | 80      | 100          |
| D211        | Children's Drama and Theater                                                     | 2      | -         | 2                                    | 20         |                | 80      | 100          |
| Z211        | Biological and Geological Sciences                                               | 2      | 2         | 4                                    | 15         | 30             | 105     | 150          |
| Z221        | Invertebrate + Chordata                                                          |        |           |                                      |            |                |         |              |
| Art211      | Manual and technical skills                                                      | 1      | 3         | 4                                    | 15         | 25             | 85      | 125          |
| 121 Ph      | phycis Thermal                                                                   | 2      | 1         | 6                                    | 15         | 25             | 85      | 250          |
| 122 Ph      | Optical                                                                          | 2      | 1         |                                      | 15         | 25             | 85      |              |
| Curr221     | Microteaching (2)                                                                | -      | 2         | 2                                    | 30         | 20             |         | 50           |
| R 221       | religion and recent issues                                                       | 2      | -         | 2                                    | 20         |                | 80      | 100          |
|             | <b>Total scores</b>                                                              |        |           | <b>29</b>                            |            |                |         | <b>1150</b>  |

برنامج: اعداد معلم العلوم باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Third Year     |                                                                    |          |    |          |                                      |                |         |              |
|----------------|--------------------------------------------------------------------|----------|----|----------|--------------------------------------|----------------|---------|--------------|
| First term     |                                                                    |          |    |          |                                      |                |         |              |
| Course code    | Course name                                                        | Hs no.   |    |          | Final scores(at the end of the year) |                |         |              |
|                |                                                                    | T        | FT | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| Curr311        | Methodology(1)                                                     | 2        | 1  | 3        | 15                                   | 25             | 85      | 100          |
| Curr312        | Educational Technology (2)(In specialty)<br>Computer(In specialty) | 1        | 2  | 5        | 10                                   | 20             | 70      | 150          |
| Curr313        |                                                                    |          | 2  |          | 25                                   | 25             |         |              |
| 221 Ch         | Inorganic Chemistry                                                | 2        | 3  | 5        | 20                                   | 40(practice)   | 140     | 200          |
| 222 Ph         | Biophysics                                                         | 2        | 1  | 3        | 15                                   | 25(practice)   | 85      | 125          |
| 231Ch          | Physical Chemistry                                                 | 2        | 3  | 5        | 20                                   | 40(practice)   | 140     | 200          |
| 212 G          | Biological and Geological Sciences                                 |          |    |          |                                      |                |         |              |
|                | Cell and molecular biology + Embryos                               | 2        | 2  | 6        | 15                                   | 30(practice)   | 105     | 250          |
|                | Space and the solar system                                         | 2        |    |          | 20                                   |                | 80      |              |
| Tra311         | Field training                                                     | Full day |    |          |                                      |                |         |              |
|                | Total scores                                                       |          |    | 27       |                                      |                |         | 1050         |
| Second term    |                                                                    |          |    |          |                                      |                |         |              |
| Course code    | Course name                                                        | Hs no.   |    |          | Final scores(at the end of the year) |                |         |              |
|                |                                                                    | T        | FT | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| Ed321          | Development of Educational Thought                                 | 2        | -  | 2        | 20                                   |                | 80      | 100          |
| Ed322          | Adult education philosophy and objectives                          | 2        | -  | 2        | 20                                   |                | 80      | 100          |
| 112 Z<br>122 B | Geological and biological sciences                                 |          |    |          |                                      |                |         |              |
|                | - Biology of the human body                                        | 2        | 2  | 8        | 15                                   | 30 Practical   | 105     | 300          |
|                | - Plant Physiology + inheritance                                   | 2        | 2  |          | 15                                   | 30 Practical   | 105     |              |
| 414 Ph         | Physics                                                            |          |    |          |                                      |                |         |              |
| 421 Ph         | 1-Electronic circuits                                              | 2        | 2  | 8        | 15                                   | 30Practical    | 105     | 300          |
|                | 2-Radiation Physics                                                | 2        | 2  |          | 15                                   | 30Practical    | 105     |              |
| Psy421         | Individual differences and psychometrics                           | 2        | 1  | 3        | 25                                   |                | 100     | 125          |
|                | CULTURAL OPTION                                                    | 2        | -  | 2        | 20                                   |                | 80      | 100          |
| Tra311         | Field training                                                     | Full day |    |          |                                      |                |         |              |
|                | Total scores                                                       |          |    | 25       |                                      |                |         | 1125         |

برنامج: اعداد معلم العلوم باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Fourth Year |                                                                                 |          |           |           |                                      |                |         |              |
|-------------|---------------------------------------------------------------------------------|----------|-----------|-----------|--------------------------------------|----------------|---------|--------------|
| First term  |                                                                                 |          |           |           |                                      |                |         |              |
| Course code | Course name                                                                     | Hs no.   |           |           | Final scores(at the end of the year) |                |         |              |
|             |                                                                                 | T        | practical | Total hs  | Assignment                           | Oral/ practice | written | Total scores |
| Curr411     | Teaching Methods (2)                                                            | 2        | 1         | 3         | 15                                   | 25             | 85      | 125          |
| Psy411      | Mental health and psychological counseling                                      | 2        |           | 2         | 20                                   |                | 80      | 100          |
| Curr412     | Curriculum                                                                      | 2        |           | 5         | 20                                   |                | 80      | 100          |
| B213        | Biological and Geological Sciences Fundamentals of Microbiology + Biotechnology | (1+1)    | 2         | 4         | 15                                   | 30(practice)   | 105     | 150          |
| 224 Ch      | General Chemistry                                                               | 3        | 2         | 5         | 20                                   | 40(practice)   | 140     | 200          |
| 212 Ph      | Physics                                                                         | 2        | 2         | 7         | 15                                   | 30(practice)   | 105     | 275          |
| 216 ph      | -Vibrations and waves<br>-Modern Physics                                        | 2        | 1         |           | 15                                   | 25(practice)   | 85      |              |
| Tra311      | Field training                                                                  | Full day |           |           |                                      |                |         |              |
|             | <b>Total scores</b>                                                             |          |           | <b>23</b> |                                      |                |         | <b>950</b>   |
| Second term |                                                                                 |          |           |           |                                      |                |         |              |
| Course code | Course name                                                                     | Hs no.   |           |           | Final scores(at the end of the year) |                |         |              |
|             |                                                                                 | T        | practical | Total hs  | Assignment                           | Oral/ practice | written | Total scores |
| Psy321      | -Psychology with special needs                                                  | 2        | -         | 4         | 20                                   |                | 80      | 200          |
| Curr321     | -Teaching methods with special needs                                            | 2        | -         |           | 20                                   |                | 80      |              |
| Ed421       | The education system in Egypt and contemporary trends                           | 2        |           | 2         | 20                                   |                | 80      | 100          |
| 403 B       | Geological and biological sciences                                              | 2        | 2         | 8         | 15Practical                          | 30Practical    | 105     | 300          |
| 322 G       | -Insects, parasites and environment<br>- Environmental geology + Geology Egypt  | 2        | 2         |           | 15Practical                          | 30practical    | 105     |              |
| 231 Ch      | Organic chemistry                                                               | 3        | 2         | 5         | 20                                   | 40Practical    | 140     | 200          |
| 213 Ph      | Astrophysics and Meteorology                                                    | 2        | -         | 2         | 20                                   |                | 80      | 100          |
| Curr411     | Integrated science                                                              | 2        | -         | 2         | 20                                   |                | 80      | 100          |
| Tra311      | Field training                                                                  | Full day |           |           |                                      |                |         |              |
|             | <b>Total scores</b>                                                             |          |           | <b>23</b> |                                      |                |         | <b>1100</b>  |

**برنامج: اعداد معلم الرياضيات باللغة الانجليزية**

**(مرحلة التعليم الأساسي)**

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| FIRST Year  |                                           |             |           |          |             |                |         |              |
|-------------|-------------------------------------------|-------------|-----------|----------|-------------|----------------|---------|--------------|
| First term  |                                           |             |           |          |             |                |         |              |
| Course code | Course code                               | Course code |           |          | Course code |                |         |              |
|             |                                           | T           | practical | Total hs | Assignmen   | Oral/ practice | written | Total scores |
| Ed111       | TEACHING AND TEACHING PROFFESION          | 2           | -         | 2        | 20          | -              | 80      | 100          |
| A111        | ARABIC LANGUAGE AND RELIGIOUS INSTRUCTION | 2           |           | 4        | 20          | -              | 80      | 200          |
| R111        |                                           |             |           |          | 20          | -              | 80      |              |
| Eng121      | ENGLISH LANGUAGE                          | 2           | 2         | 4        | 45          | -              | 105     | 150          |
| H424        | CONTEMPRARY HISTORY OF EGYPT              | 2           | -         |          | 20          | -              | 80      | 200          |
| Geog412     | GEOGRAPHY OF EGYPT                        | 2           | -         | 4        | 20          | -              | 80      |              |
| M0111       | MATHMATICS BASES ALGEBRA                  | 2           | 1         |          | 25          |                | 100     | 250          |
| M0112       |                                           | 2           | 1         | 6        | 25          |                | 100     |              |
| M0110       | INTRODUCTION TO COMPUTER SCINCE           | 1           | 2         | 3        | 10          | 20 APPLIED     | 70      | 100          |
| Total score |                                           |             |           | 23       |             |                |         | 1000         |

| Second term |                                   |        |           |          |                                      |                |         |              |
|-------------|-----------------------------------|--------|-----------|----------|--------------------------------------|----------------|---------|--------------|
| Course code | Course name                       | Hs no. |           |          | Final scores(at the end of the year) |                |         |              |
|             |                                   | T      | practical | Total hs | Assignmen                            | Oral/ practice | written | Total scores |
| Ed121       | EDUCATION FOUNDATION              | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| Psy121      | DEVELOPMENT PSYCHOLOGY            | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| M0123       | Calculus                          | 2      | 2         | 4        | 30                                   | -              | 120     | 150          |
| K122        | CHILD LITERATURE                  | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| M0122       | ANALATICAL ENGINEERING            | 2      | 1         | 3        | 25                                   |                | 100     | 125          |
| K125        | PSYCHOMOTOR SKILLS MUSICAL SKILLS | 1      | 3         |          | 15                                   | 25APPLIED      | 85      | 250          |
| K115        |                                   | 1      | 3         | 8        | 15                                   | 25APPLIED      | 85      |              |
| Ch111       | GENERAL CHIMESTRY (1)             | 2      | 2         | 4        | 15                                   | 30             | 105     | 150          |
| Total score |                                   |        |           | 25       |                                      |                |         | 975          |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Second Year |                                    |        |           |          |                                      |                |         |              |
|-------------|------------------------------------|--------|-----------|----------|--------------------------------------|----------------|---------|--------------|
| First term  |                                    |        |           |          |                                      |                |         |              |
| Course code | Course name                        | Hs no. |           |          | Final scores(at the end of the year) |                |         |              |
|             |                                    | T      | practical | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| ED211       | SCHOOL AND CLASS MANAGMENT         | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
|             | (OPTIONAL) EDUCATIONAL COURSE      | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| Curr212     | ENVIRONMENT SCIENCE                | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| R221        | RELIGION AND CONTEMPRARY ISSUES    | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| M0214       | APPLIED MATH (2)                   | 2      | 2         | 4        | 30                                   |                | 120     | 150          |
| M0212       | LINEER ALGEBRA                     | 2      | 2         | 4        | 30                                   |                | 120     | 150          |
| M0213       | DEFFRENCIATION AND INTEGRATION (2) | 2      | 2         | 4        | 30                                   |                | 120     | 150          |
| Curr211     | MICRO TEACHING (2)                 | -      | 2         | 2        | 30                                   | 20             | -       | 50           |
| 122Ph       | OPTICS                             | 2      | 1         | 3        | 15                                   | 25 Practical   | 85      | 125          |
| 121Ph       | HEAT                               | 2      | 1         | 3        | 15                                   | 25 Practical   | 85      | 125          |
| Total score |                                    |        |           | 28       |                                      |                |         | 1150         |

| Second term |                              |        |           |          |                                      |                |         |              |
|-------------|------------------------------|--------|-----------|----------|--------------------------------------|----------------|---------|--------------|
| Course code | Course name                  | Hs no. |           |          | Final scores(at the end of the year) |                |         |              |
|             |                              | T      | practical | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| Psy211      | EDUCATION PSYCHOLOGY         | 2      | 1         | 3        | 15                                   | 25 Practical   | 85      | 125          |
| Curr222     | EDUCATION TECHNOLOGY (2)     | 2      | 2         | 4        | 15                                   | 30 APPLIED     | 105     | 150          |
| M0226       | HISTORY OF Mathematics       | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| Art211      | MANUAL AND ARTIFICIAL SKILLS | 1      | 3         | 4        | 15                                   | APPICATION 25  | 85      | 125          |
| Drama211    | CHILD THEATER AND DRAMA      | 2      | -         | 2        | 20                                   | -              | 80      | 100          |
| M0222       | VACUUM GEOMETRY              | 2      | 2         | 4        | 30                                   |                | 120     | 150          |
| M0214       | APPLIED MATHEMATICS          | 2      | 2         | 4        | 30                                   |                | 120     | 150          |
| Curr221     | MICROTEACHING (2)            | -      | 2         | 2        | 30                                   | 20             | -       | 50           |
| Total score |                              |        |           | 25       |                                      |                |         | 950          |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Third Year  |                                   |          |           |          |                                      |                |         |              |
|-------------|-----------------------------------|----------|-----------|----------|--------------------------------------|----------------|---------|--------------|
| First term  |                                   |          |           |          |                                      |                |         |              |
| Course code | Course name                       | Hs no.   |           |          | Final scores(at the end of the year) |                |         |              |
|             |                                   | T        | practical | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| Curr311     | METHODOLOGY (1)                   | 2        | 1         | 3        | 10                                   | 15             | 100     | 125          |
| Curr312     | EDUCATION TECHNOLOGY (2)          | 1        | 2         | 3        | 10                                   | 20             | 70      | 100          |
| M0314       | MATHEMATICAL ANALYSIS (2)         | 2        | 2         | 4        | 30                                   |                | 120     | 150          |
| M0315       | INTRODUCTION TO COMPUTER SCIENCE  | 2        | 2         | 4        | 30                                   |                | 120     | 150          |
| M0313       | NORMAL INTEGRABLE EQUATION        | 3        | 1         | 4        | 50                                   |                | 125     | 175          |
| Ph111       | PHYSICS (1)                       | 2        | 1         | 6        | 15                                   | 20 practice    | 90      | 250          |
| Ph112       | MASS FEATURES Analytical Dynamics | 2        | 1         |          | 15                                   | 25 practice    | 85      |              |
| Ph112       | ANALATICAL DYNAMIC                | 2        | 1         | 3        | 25                                   |                | 100     | 125          |
| Tra311      | FEILD TRAINING                    | Full day |           |          |                                      |                |         |              |
| Total score |                                   |          |           | 27       |                                      |                |         | 1075         |

| Second term |                                             |          |           |          |                                      |                |         |              |
|-------------|---------------------------------------------|----------|-----------|----------|--------------------------------------|----------------|---------|--------------|
| Course code | Course name                                 | Hs no.   |           |          | Final scores(at the end of the year) |                |         |              |
|             |                                             | T        | practical | Total hs | Assignment                           | Oral/ practice | written | Total scores |
| Ed321       | EDUCATION IDIOLOGY DEVELOPMENT              | 2        | -         | 2        | 20                                   | -              | 80      | 100          |
| Psy321      | -SPECIAL NEEDS PSCYCHOLOGY                  | 2        | -         | 4        | 20                                   | -              | 80      | 200          |
| Curr321     | -SPECIAL NEEDS METHODOLOGY                  | 2        | -         |          | 20                                   | -              | 80      |              |
| Ed322       | PHILOSOPHY AND OBJECTIVES of ADULT LEARNING | 2        | -         | 2        | 20                                   | -              | 80      | 100          |
| M0322       | BASICS OF GEOMETRY                          | 3        | 2         | 5        | 40                                   |                | 160     | 200          |
| M0214       | MATHMATICAL ANALYSIS (2)                    | 2        | 2         | 4        | 30                                   |                | 120     | 150          |
| M0325       | THEORY OF PROBABILITIES                     | 2        | 2         | 4        | 30                                   |                | 120     | 150          |
|             | (OPTIONAL) CULTURAL COURSE                  | 2        | -         | 2        | 20                                   | -              | 80      | 100          |
| Tra311      | TRAINING FEILD                              | Full day |           |          |                                      |                |         | 100          |
| Total score |                                             |          |           | 23       |                                      |                |         | 1100         |

برنامج: اعداد معلم الرياضيات باللغة الانجليزية  
(مرحلة التعليم الأساسي)

| Fourth Year |                                                      |          |           |          |                                      |                |          |              |
|-------------|------------------------------------------------------|----------|-----------|----------|--------------------------------------|----------------|----------|--------------|
| First term  |                                                      |          |           |          |                                      |                |          |              |
| Course code | Course name                                          | Hs no.   |           |          | Final scores(at the end of the year) |                |          |              |
|             |                                                      | T        | practical | Total hs | Assignme nt                          | Oral/ practice | written  | Total scores |
| Curr411     | TEACHING METHOD (2)                                  | 2        | 1         | 3        | 10                                   | 15             | 100      | 125          |
| Psy411      | PSYCHOLOGY HEALTH AND CONSULTATION                   | 2        | -         | 2        | 20                                   |                | 80       | 100          |
| Curr412     | CURRECULA                                            | 2        | -         | 2        | 20                                   |                | 80       | 100          |
| M0412       | ABSTRACT ALGEBRA                                     | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| M0414       | COUMPOUND EQUATIONS                                  | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| M0415       | NEMERAL ANALYSIS                                     | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| M0416       | APPLIED MATHEMATICS (3)                              | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| Tra311      | FIELD TRAINING                                       | Full day |           |          |                                      |                |          |              |
| Total score |                                                      |          |           | 23       |                                      |                |          | 925          |
| Second term |                                                      |          |           |          |                                      |                |          |              |
| Course code | Course name                                          | Hs no.   |           |          | Final scores(at the end of the year) |                |          |              |
|             |                                                      | T        | practical | Total hs | Assignment                           | Oral/ practice | writt en | Total scores |
| Psy421      | INDEIVIDUAL DEFFERENCES AND PSYCOLOGICAL MEASURMANTS | 2        | 1         | 3        | 25                                   |                | 100      | 125          |
| COMPEd4 21  | EDUCATION SYSTEM IN EGYPT AND CURRENT TRENDS         | 2        | -         | 2        | 20                                   |                | 80       | 100          |
| M0422       | SPECIAL EQUATION                                     | 2        | 1         | 3        | 25                                   |                | 100      | 125          |
| M0428       | NODS PROGRAMMING IN APPLIED MATH                     | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| M0425       | STATICS                                              | 2        | 1         | 3        | 25                                   |                | 100      | 125          |
| M0426       | APPLIED MATHEMATICS (4)                              | 2        | 2         | 4        | 30                                   |                | 120      | 150          |
| M0427       | SETTING THEORY                                       | 2        | 1         | 6        | 25                                   |                | 100      | 250          |
| M0428       | MATH LOGIC                                           | 2        | 1         |          | 25                                   |                | 100      |              |
| Tra311      | FIELD TRAINING                                       | Full day |           |          |                                      |                |          | 100          |
| Total score |                                                      |          |           | 25       |                                      |                |          | 1125         |

**ثالثا : درجة البكالوريوس في إعداد معلم  
الطفولة والتربية باللغة الإنجليزية**

برنامج : إعداد معلم الطفولة والتربية باللغة الإنجليزية

| First year  |                                            |          |    |          |                                        |               |         |              |
|-------------|--------------------------------------------|----------|----|----------|----------------------------------------|---------------|---------|--------------|
| First term  |                                            |          |    |          |                                        |               |         |              |
| Course code | Course name                                | Hs no.   |    |          | Final scores ( at the end of the year) |               |         |              |
|             |                                            | T        | FT | Total hs | Assignment                             | Oral/practice | written | Total scores |
| KEd121      | Teacher and teaching profession            | 2        | -  | 2        | 20                                     |               | 80      | 100          |
| K111        | Child and environment health               | 2        | 2  | 4        | 30                                     |               | 120     | 150          |
| K112        | Arabic and religious instruction           | 2        | 2  | 4        | 30                                     |               | 120     | 150          |
| KEd113      | Introduction to kindergarten               | 2        | 2  | 4        | 30                                     |               | 120     | 150          |
| K114        | Visual artificial instruction              | 1        | 3  | 4        | 15                                     | 25 practice   | 85      | 125          |
| K115        | Musical skills for kids                    | 2        | 2  | 4        | 15                                     | 30 practice   | 105     | 150          |
| MedT110     | computer                                   | 2        | 2  | 4        | 15                                     | 30 practice   | 105     | 150          |
| Tra311      | Field training                             | Full day |    |          | 20                                     | 30 practice   |         | 50           |
|             | Total                                      |          |    | 26       |                                        |               |         | 1025         |
| second term |                                            |          |    |          |                                        |               |         |              |
| Course code | Course name                                | Hs no.   |    |          | Final scores ( at the end of the year) |               |         |              |
|             |                                            | T        | FT | Total hs | Assignment                             | Oral/practice | written | Total scores |
|             | (optional) cultural course                 | 2        | -  | 2        | 20                                     |               | 80      | 100          |
| Eng121      | English                                    | 2        | 2  | 4        | 30                                     |               | 120     | 150          |
| Kpsy121     | Psychology Development                     | 2        | -  | 2        | 20                                     |               | 80      | 100          |
| K122        | Kids literature                            | 2        | -  | 2        | 20                                     |               | 80      | 100          |
| K123        | Kindergarten activities                    | 2        | 2  | 4        | 30                                     |               | 120     | 150          |
| K124        | Socialization and social control           | 4        | -  | 4        | 40                                     |               | 160     | 200          |
| K125        | Basic skills in physical education         | 2        | 2  | 4        | 15                                     | 30 practice   | 105     | 150          |
| Tra311      | Field Training (teacher and children Note) | Full day |    |          | 20                                     | 30 practice   |         | 50           |
|             | Total                                      |          |    | 22       |                                        |               |         | 1000         |

برنامج : إعداد معلم الطفولة والتربية باللغة الإنجليزية

| Second year         |                                                                        |        |           |           |                                        |                |            |              |
|---------------------|------------------------------------------------------------------------|--------|-----------|-----------|----------------------------------------|----------------|------------|--------------|
| First term          |                                                                        |        |           |           |                                        |                |            |              |
| Course code         | Course name                                                            | Hs no. |           |           | Final scores ( at the end of the year) |                |            |              |
|                     |                                                                        | T      | practical | Total hs  | Assignment                             | Oral/ practice | written    | Total scores |
| KedA201             | Kindergarten management                                                | 2      | -         | 2         | 20                                     |                | 80         | 100          |
| Comp Ed421          | Education system and recent trends                                     | 2      | -         | 2         | 20                                     |                | 80         | 100          |
| E211                | English                                                                | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| K211                | Scientific concepts activities for kindergarten children               | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| K212                | Child Kinetic expression                                               | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| K213A               | Concepts and activities of child language                              | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| KD214               | Children's Drama and Theater                                           | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| KCurr211            | Micro teaching (1)                                                     | -      | 2         | 2         | 30                                     | 20             | -          | 50           |
|                     | <b>Total</b>                                                           |        |           | <b>26</b> |                                        |                |            | <b>1000</b>  |
| Second term         |                                                                        |        |           |           |                                        |                |            |              |
| Course code         | Course name                                                            | Hs no. |           |           | Final scores ( at the end of the year) |                |            |              |
|                     |                                                                        | T      | practical | Total hs  | assignment                             | Oral/practical | written    | Total scores |
| Kpsy 121            | Kids learning psychology                                               | 2      | 2         | 4         | 15                                     | 30 practice    | 105        | 150          |
| EdT 222             | Educational technology (1)                                             | 2      | 2         | 4         | 15                                     | 30 practice    | 105        | 150          |
| K221                | Lyric and music for children                                           | 1      | 2         | 3         | 20                                     |                | 80         | 100          |
| K222A               | Arabic and religious instruction                                       | 2      | 2         | 4         | 30                                     |                | 120        | 150          |
| Ked 223             | Social and ethics aspects                                              | 2      | 1         | 3         | 25                                     |                | 100        | 125          |
| K224                | Kids arts                                                              | 1      | 2         | 3         | 10                                     | 20 practice    | 70         | 100          |
| MSA 0111<br>MSA0125 | mathematics:<br>-basic mathematics<br>-differentiation and integration | 2<br>3 | 1         | 6         | 25<br>45                               |                | 100<br>105 | 275          |
| KCurr221            | Microteaching (2)                                                      | -      | 2         | 2         | 30                                     | 20             | -          | 50           |
|                     | <b>Total scores</b>                                                    |        |           | <b>29</b> |                                        |                |            | <b>1100</b>  |

برنامج : إعداد معلم الطفولة والتربية باللغة الإنجليزية

| Third Year  |                                      |          |            |          |                                        |                |            |              |
|-------------|--------------------------------------|----------|------------|----------|----------------------------------------|----------------|------------|--------------|
| Firt term   |                                      |          |            |          |                                        |                |            |              |
| Course code | Course name                          | Hs no.   |            |          | Final scores ( at the end of the year) |                |            |              |
|             |                                      | T        | practical  | Total hs | Assignment                             | Oral/prac tice | written    | Total scores |
| Kcurr311    | Child teaching method                | 2        | 1          | 3        | 15                                     | 25             | 85         | 125          |
| KEdT 312    | Educational technology (2)           | 2        | 2          | 4        | 15                                     | 30 practice    | 105        | 150          |
| Curr112L    | Environment Education                | 2        | -          | 2        | 20                                     |                | 80         | 100          |
| KCurr312    | Children's Stories and Tales         | 2        | -          | 2        | 20                                     |                | 80         | 100          |
| KCurr313    | Children’s chants and songs          | 2        | 2          | 4        | 15                                     | 30 practice    | 105        | 150          |
| K314        | Foreign language                     | 4        | -          | 4        | 40                                     |                | 160        | 200          |
| KPsy315     | Playing psychology                   | 2        | 2          | 4        | 30                                     |                | 120        | 150          |
| Ked 327     | Children’s moral education           | 2        | -          | 2        | 20                                     |                | 80         | 100          |
| Tra311      | Field training                       | Full day |            |          |                                        |                |            |              |
|             | Total scores                         |          |            | 25       |                                        |                |            | 1075         |
| Second term |                                      |          |            |          |                                        |                |            |              |
| Course code | Course name                          | Hs no.   |            |          | Final scores ( at the end of the year) |                |            |              |
|             |                                      | T        | practic al | Total hs | Assignment                             | Oral/ practice | written    | Total scores |
| KA321       | Arabic & life and religion           | (2+2)    | (1+1)      | 6        | 25<br>25                               |                | 100<br>100 | 250          |
| Ked322      | Camps and outdoor games              | 2        | 2          | 4        | 15                                     | 30 practice    | 105        | 150          |
| K323        | Artificial activities for children   | 1        | 3          | 4        | 15                                     | 25 practice    | 85         | 125          |
| K324        | Children’s diseases and medication   | 2        | 2          | 4        | 30                                     |                | 120        | 150          |
| H412        | Social studies: Egypt modern history | 2        | -          | 4        | 20                                     |                | 80         | 200          |
| Geog412     | Egypt geography                      | 2        | -          |          | 20                                     |                | 80         |              |
| Curr111L    | Scientific culture                   | 2        | -          | 4        | 20                                     |                | 80         | 200          |
| Curr411     | Integrated sciences                  | 2        | -          |          | 20                                     |                | 80         |              |
| Tra311      | Field training                       | Full day |            |          |                                        |                |            |              |
|             | Total scores                         |          |            | 26       |                                        |                |            | 1175         |

**برنامج : إعداد معلم الطفولة والتربية باللغة الإنجليزية**

| Fourth Year |                                            |          |           |          |                                        |                |            |              |     |
|-------------|--------------------------------------------|----------|-----------|----------|----------------------------------------|----------------|------------|--------------|-----|
| First term  |                                            |          |           |          |                                        |                |            |              |     |
| Course code | Course name                                | Hs no.   |           |          | Final scores ( at the end of the year) |                |            |              |     |
|             |                                            | T        | practical | Total hs | Assignment                             | Oral/ practice | written    | Total scores |     |
| KCurr411    | Children’s teaching methods                | 2        | 1         | 3        | 15                                     | 25             | 85         | 125          |     |
| KpsyH411    | Mental health and psychological counseling | 2        | -         | 2        | 20                                     |                | 80         | 100          |     |
| Ked412      | Children’s Parental education              | 2        | -         | 2        | 20                                     |                | 80         | 100          |     |
| K413        | Arabic+ religion and recent issues         | 2+2      | 1+1       | 6        | 25<br>25                               |                | 100<br>100 | 250          |     |
| Ked414      | Museum and library Education of the child  | 2        | 2         | 4        | 15                                     | 30 practice    | 105        | 150          |     |
| Kpsy427     | Psychophysiology                           | 2        | -         | 2        | 20                                     |                | 80         | 100          |     |
| K415        | -Kindergarten Arts                         | 2        | 2         | 8        | 15                                     | 30 practice    | 105        | 300          |     |
| K416        | -Children ‘s Fine Arts                     | 2        | 2         |          | 15                                     | 30 practice    | 105        |              |     |
| Tra311      | Field training                             | Full day |           |          |                                        |                |            |              |     |
|             | Total scores                               |          |           | 27       |                                        |                |            | 1125         |     |
| Second term |                                            |          |           |          |                                        |                |            |              |     |
| Course code | Course name                                | Hs no.   |           |          | Final scores ( at the end of the year) |                |            |              |     |
|             |                                            | T        | practical | Total hs | Assignment                             | Oral/ practice | written    | Total scores |     |
| KPsy421     | -special needs psychology                  | 2        | -         | 4        | 20                                     |                | 80         | 200          |     |
| KCurr421    | -Special needs teaching methods            | 2        | -         |          | 20                                     |                | 80         |              |     |
| K421        | Foreign language teaching                  | 4        | -         | 4        | 40                                     |                | 160        | 200          |     |
| Ked321      | educational ideology development of        | 2        | -         | 2        | 20                                     |                | 80         | 100          |     |
| KPsy421     | Individual differences and psychometrics   | 2        | 2         | 4        | 30                                     |                | 120        | 150          |     |
| KCurr425    | Programs and curricula kindergarten child  | 2        | 2         | 4        | 30                                     |                | 120        | 150          |     |
|             | Optional Educational course                | 2<br>2   |           | 4        | 20<br>20                               |                | 80<br>80   | 200          |     |
| KPsy427     | Learning disability in kindergarten        | 2        |           | 4        | 20                                     |                | 80         | 200          |     |
| KEd428      | Creative Education                         | 2        |           |          | 20                                     |                | 80         |              |     |
| Tra311      | Internship                                 | Full day |           |          |                                        |                |            |              | 100 |
|             | Total scores                               |          |           | 26       |                                        |                |            | 1300         |     |