# Course specification

University/Academy: Damanhour  
Faculty/Institute: Science  
Department: Botany

<table>
<thead>
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<th>1. course Data:</th>
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| Course code: **mic 322** | Course title: **mycology** | Academic year/level: 2009/2010 (second term) / 3rd year students  
Specialization: Chemistry-microbiology | No. of instructional units: **lecture 2** practical 3 |

## 2. course Aim

By the end of the course, students will be able to:
- Realize the principles of nomenclature and classification of organisms related to fungi kingdom, with a special emphasis on fungi plant diseases.

## 3. Intended learning outcome

### a) Knowledge and understanding

A1: Write the significant differences between fungi group.  
A2: Describe the structure of different fungi kingdom related forms.  
A3: List basic concepts of fungi.

### b) Intellectual skills

By the end of the course, the students are expected to develop higher order skills that are reflected in their ability to:
- Differentiate and classify different fungi forms.  
- Compare between different fungi structures.  
- Determine the taxonomic position of fungi related organisms at the genus level.  
- Apply the basic knowledge of fungi in handling and interpreting information.

### e) Professional skills

By the end of the course, students will be able
to:
C1: Demonstrate the main features of a number of simple fungi-related organisms.
C2: Use the simple microscope to identify different fungal samples.
C3: Practice the different fungal features.

d) General skills
By the end of the course, students will be able to:
D1: Exchange ideas, principles and information by oral, written and visual means.
D2: Work effectively both in a team and independently.
D3: Use the information technology to gather information and right reports.

4. course content
Morphology
Taxonomy
structures
Growth of fungi
Methods of determination of growth
Myxomycotina
Eumycotina
Zygomycetes
Oomycetes
Basidiomycetes
Ascomycetes
deuteromycetes
Plant pathology
Factors affecting fungi

5. Teaching and learning methods
| 4.1. | Lectures and seminars. |
| 4.2. | Lab work. |
| 4.3. | Problems. |
| 4.4. | Short reports. |

6. Student Assessment
| .1. | Quizzes. |
| .2. | Mid term exam. |
| .3. | Practical exam. |
| .4. | Final term exam. |
### b) Schedule:
- Assessment 1: Quizzes
- Assessment 2: Mid term exam
- Assessment 3: Practical exam
- Assessment 4: Final term exam

### c) Weighing of Assessment:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Mid-Term Examination</td>
<td>10</td>
</tr>
<tr>
<td>Final-Term Examination</td>
<td>100</td>
</tr>
<tr>
<td>Practical Examination</td>
<td>30</td>
</tr>
<tr>
<td>Semester Work</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>150%</strong></td>
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### 7. List of Textbooks and References:

- **a) Course Notes**
  - Course Notes

- **b) Required Books (Textbooks)**
  - Fungi. sign sk and srivastava S.

- **c) Recommended Books**
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- **d) Periodicals, web sites,…,etc**
  - 6.2. Periodicals, Web Sites, . . . etc
  - [www.mhhe.com](http://www.mhhe.com)

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Course Instructor:
Head of Department: Dr.
Date: 17-8-2009