Course specification

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

1. course Data:

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course title</th>
<th>Academic year/level</th>
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</thead>
<tbody>
<tr>
<td>bot 403</td>
<td>mycology</td>
<td>2010/2011 (second term) / 3rd year students</td>
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Specialization: Botany

<table>
<thead>
<tr>
<th>No. of instructional units</th>
<th>lecture</th>
<th>practical</th>
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<td>3</td>
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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: Mention the significant differences between fungi group.
A2: Describe and draw 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:

B1: Differentiate and classify different fungi forms.
B2: Compare between different fungi structures.
B3: Compare between the taxonomic positions of fungi related organisms at the genus level.
B4: Evaluate the basic knowledge of fungi in handling and interpreting information.

c) 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
Lectures and seminars.
Lab work.
Problems.
Short reports.

### 6. Student Assessment
1. Quizzes.
2. Mid term exam.
3. Practical exam.
4. Final term exam.

### a) Procedures used:
| b) Schedule: | Assessment 1: Quizzes  
Assessment 2: Mid term exam  
Assessment 3: Practical exam  
Assessment 4: Final term exam |
|---------------|-----------------------------------------------|
| c) Weighing of Assessment: | Mid-Term Examination: 10  
Final-Term Examination: 100  
Practical Examination: 30  
Semester Work: 10  
Total: 150% |
| 7. List of Textbooks and References: | ------- |
| a) Course Notes | - Course Notes |
| b) Required Books (Textbooks) | Fungi . sign sk and srivastava S.  
Biology of micro-organisms. Madigan, MT,  
| c) Recommended Books | ------- |
| d) Periodicals, web sites, . . . etc | 6.2. Periodicals, Web Sites, . . . etc  
www.mhhe.com |

Course Instructor:  
Date: 17-8-2009  

Head of Department: Dr.