



### **Course Specification**

#### **607E: Preparing and writing scientific thesis**

##### **A- Affiliation**

**Relevant program:** Ecology MSc Program

**Department offering the program:** Entomology Department

**Department offering the course:** Entomology Department

**Academic year/level:** Msc

**Coordinator:** Prof. Abdelwahab A. Ibrahim

**Date of specifications approval:** 9/12/2015

##### **B - Basic information**

**Title:** Preparing and writing scientific research

**Code:** 607E

**Year/level:** Msc

**Teaching Hours:**

**Lectures:** 2

**Tutorial:** 0

**Practical:** 0

**Total:** 2h/week

**Mark course:** 100 marks

##### **C - Professional information**

###### **1 – Overall aim of the course:**

This course aims to enable the student to know the steps and roles followed in making scientific thesis and the criteria of writing different sections of the thesis in the field of Entomology and how to deal with the supervisors to produce an accepted thesis from the examination committee and completely understood by interested authorities in that field.

###### **2 - Intended Learning Outcomes (ILOS)**

###### **a - Knowledge and understanding:**

On successful completion of the course, the student should be able to:

a1- List different sections of the thesis.

a2- Mention the criteria for writing different sections of the thesis.

a3- Describe the different systems of citing references and advantages and disadvantages of each system.

a4- Memorize the terminology and abbreviations used in writing thesis

###### **b - Intellectual skills:**

b.1- Apply criteria for good writing on all section of the scientific thesis.

b.2- Select the proper style for designing tables and presenting results.

b.3- Select the suitable system for citing references according to the accepted regulations.

###### **c- Practical and professional skills:**

On successful completion of the course, the student should be able to:

c.1- Write accepted scientific thesis.

c.2- Arrange references using the accepted regulations.

c.3- Design tables and present results in scientific accepted form.

c.4- Deal with the supervisors in a right way.

###### **d. General skills:**

- On successful completion of the course, the student should be able to:
- d.1- Manage learning and making use of scholarly.
  - d.2- Review scientific literature.
  - d.3- Discuss, conclude and summarize opinions.
  - d.4- Deal and communicate with the scientific communities.

### 3 - Contents

Topic	Lecture hours	Tutorial hours	Practical hours	Total %
Introduction and course specifications	2	-	2	8.33%
Types of scientific writings	2	-	2	8.33%
Designing scientific thesis	2		2	8.33%
Title, Adresses and abstract	2		2	8.33%
Introduction and Acknowledgement	2	-	2	8.33%
Literature review and abbreviations	2	-	2	8.33%
Materials and Methods	2	-	2	8.33%
Results, tables and figures	2	-	2	8.33%
Discussion	2	-	2	8.33%
References	2		2	8.33%
The relation between the student and supervisors	2	-	2	8.33%
Discussion and defending the thesis	2	-	2	8.33%
<b>Total hours</b>	<b>24</b>	<b>-</b>	<b>24</b>	<b>100%</b>

### 4 - Teaching and Learning methods against course ILOs:

Intended Learning Outcomes			Lecture	Presentations	Discussions & Seminars	Practical	Problem solving	Brain storming
Knowledge & Understanding	a1	List different sections of the thesis.	x	x	x	0	0	0
	a2	Mention the criteria for writing different sections of the thesis.	x	x	x	0	0	0
	a3	Describe the different systems of citing references and advantages and disadvantages of each system.	x	x	x	0	0	0
	a4	Memorize the terminology used in writing and publishing scientific work	x	x	x	0	0	0
Intellectual Skills	b1	Apply criteria for good writing on all section of the scientific thesis.	x	x	x	0	x	0
	b2	Select the proper style for designing tables and presenting results.	x	x	x	0	x	0

	b3	Select the suitable system for citing references according to the accepted regulations.	x	x	x	0	x	0
<b>Practical and professional skills</b>	c1	Write accepted scientific thesis.	x	x	x	0	x	0
	c2	Arrange references using the accepted regulations.	x	x	x	0	x	0
	c3	Design tables and present results in scientific accepted form.	x	x	x	0	x	0
	c4	Deal with the supervisors in a wright way.	x	x	x	0	x	0
<b>General Skills</b>	d1	Manage learning and making use of scholarly.	x	x	x	0	x	0
	d2	Review scientific literature.	x	x	x	0	x	0
	d3	Discuss, conclude and summarize opinions.	x	x	x	0	x	0
	d4	Deal and communicate with the scientific communities.	x	x	x	0	x	0

### 5- Students' Assessment Methods and Grading:

<b>Tools:</b>	<b>To Measure</b>	<b>Time schedule</b>	<b>Grading</b>
Mid-Term Exam	First ½ of ILOs a, b, c	Seventh week	10%
Oral exam	ILOs c, b, c, d	fifteenth week	10%
Written exam	ILOs a, b, c, d	The sixteenth week	80%
<b>Total</b>			<b>100 %</b>

### 6- List of references:

#### 6-1 Course notes and presentation:

How to write a scientific paper note (available on the web site of the coordinator)

Presentations (available on the web site of the coordinator)

#### 6-2 Required books:

Writing Scientific Research Articles: Strategy and Steps (2013), 2nd Edition

Margaret Cargill, Patrick O'Connor, ISBN: 978-1-118-57070-8, 236 pages

May, Wiley-Blackwell

#### 6-3 Recommended books:

\*Day, R.A. (1979). How To Write And Publish A Scientific Paper. ISI Press, University City Science Center, Philadelphia, USA

#### 6-4 Periodicals, and thesis from the library.

### 7- Facilities required for teaching and learning:

\*Data Show.

\* Presentations

\* Periodicals and Journals

\* Conference procedings and posters

**Course coordinator:** Prof. Abdelwahab A. Ibrahim .

**Head of the Department:** Prof. Dr. Faten Faried Abu Eldahb

**Date:** 2014/2015