Benha University
Faculty of Science
Department of Entomology

Course Specification

701E: Designing and writing scientific papers

A- Affiliation

Relevant program: Ph.D. Medical entomology Program
Department offering the program: Entomology Department
Department offering the course: Entomology Department
Academic year/level: 2015/PhD
Course coordinator: Prof. Abdelwahab A. Ibrahim**.**
Date of specifications approval: 9/12/2015

B - Basic information

Title: Preparing and writing scientific thesis **Code:** 701E **Year/level:** 2015/PhD
Teaching Hours: **Lectures:** 2 **Tutorial:** 0
Practical: 0 **Total:** 2 h/week
Mark course: 100 marks

C - Professional information

1- Overall aim of the course:

This course aims to enable the student to design and write papers of high probability of being accepted for publication and are completely understood by interested authorities in that field when published

2 - Intended Learning Outcomes (ILOS)

2.1. Knowledge and understanding:

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

2.1.1- List the criteria for good scientific work
2.1.2- Mention the different types of scientific writing (papers, reports, reviws, …..etc
2.1.3- Describe the criteria for writing each section of the scientific work
2.1.4- Memorize the terminology used in writing and publishing scientific work

2.2. Intellectual skills:

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

2.2.1- Apply criteria for good writing on all section of the scientific work.
2.2.2- Select the proper style for designing tables and presenting results.
2.2.3- Select the suitable system for citing references according to the site of publication.
2.2.4- Judge and evaluate published scientific work.

2.3. Practical and professional skills:

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

2.3.1- Write accepted scientific papers, posters, reports and other scientific writings.
2.3.2- Arrange references using different citing systems.
2.3.3- Design tables and present results in scientific accepted form.
2.3.4- Deal with editors and publishers.

2.4. General skills:

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

2.4.1- Manage learning and making use of scholarly.
2.4.2- Review scientific literature.
2.4.3- Discuss, conclude and summarize opinions.
2.4.4- 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%
Organization of Scientific papers	2		2	8.33%
Title, Adresses and abstract	2		2	8.33%
Introduction and Acknowledgement	2	-	2	8.33%
Literature review	2	-	2	8.33%
Materials and Methods	2	-	2	8.33%
Results	2	-	2	8.33%
Discussion	2	-	2	8.33%
References	2		2	8.33%
Revising and Publishing the manuscript	2	-	2	8.33%
Dealing with editors and publishers	2	-	2	8.33%
Total hours	**24**	-	**24**	**100%**

4 - Teaching and Learning methods against course ILOs:

Intended Learning Outcomes			Lecture	Presentations	Discussions & Seminars	Practical	Problem solving	Brain storming
Knowledge & Understanding	a1	List the criteria for good scientific work	x	x	x	0	0	0
	a2	Mention the different types of scientific writing (papers, reports, reviws, …..etc	x	x	x	0	0	0
	a3	Describe the criteria for writing each section of the scientific work	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 work.	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 site of publication.	x	x	x	0	x	0
	b4	Judge and evaluate published scientific work.	x	x	x	0	x	0
Practical and professional skills	c1	Write accepted scientific papers, posters, reports and other scientific writings.	x	x	x	0	x	0
	c2	Arrange references using different citing systems.	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 editors and publishers.	x	x	x	0	x	0
General Skills	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:

Tools:	**To Measure**	**Time schedule**	**Grading**
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%
Total			**100 %**

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