المركز الوطني للتقويم والاعتماد الاكاديمي
National Center for Academic Accreditation and Evaluation

ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

هيئة تقويم التعليم
Education Evaluation Commission

Course Specifications

Institution:**Tabuk University**	Date:
College/Department : **Ummlaj University College/ Biology Department**	

A. Course Identification and General Information

1. Course title and code:**General Zoology (Bio 251)**
2. Credit hours:**(3)**
3. Program(s) in which the course is offered.
(If general elective available in many programs indicate this rather than list programs)
Biology Program
4. Name of faculty member responsible for the course
5. Level/year at which this course is offered:**Fourth Level**
6. Pre-requisites for this course (if any):**Biology 2 (Bio 202)**
7. Co-requisites for this course (if any):**None**
8. Location if not on main campus:
9. Mode of Instruction (mark all that apply):

a. traditional classroom	√	What percentage?	75%
b. blended (traditional and online)		What percentage?	
c. e-learning		What percentage?	
d. correspondence		What percentage?	
f. other (lab work)	√	What percentage?	25%

Comments:
The current building, which is used in the processes of teaching is a traditional building, with classrooms, lack of modern possibilities for the application of sophisticated methods for teaching.
- The university in the process of building a new lecture halls sophisticated suit modern teaching
methods.

B Objectives

1. What is the main purpose for this course?

This course provides an introduction to the biology of specific phyla, classes, and orders of invertebrates with emphasis on classification, morphology, structure and function of their internal anatomy, developmental pathways and fundamental concepts characteristic of this diverse animal groups.

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field)

- **Annual review of course by departmental course planning committee.**
- **Updating the course with latest curriculum developments in the field.**
- **Annual review of the laboratory sessions and re-developed with recent experiences, and renew**

microscopic slides

- **Updating course curriculum using internet materials.**
- **Comparison of course topics with equivalent local and international courses.**

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
Introduction to the concept of Zoology General Characters, Taxonomy and Examples of Protozoa	1	3
Introduction to the concept of Zoology General Characters, Taxonomy and Examples of Protozoa	1	3
Porifera (characters, types, structure)	1	3
Coelenterata (Characters, *Hydra*, Taxonomy)	1	3
Coelenterata (Characters, *Hydra*, Taxonomy)	1	3
Platyhelminthes (General Characters,Classification and Examples (*Fasciola*andother Examples,)	1	3
Revision and Pre Final Exam	1	3
Mid Term Vacation	1	3
Nematoda (*Ascaris*)	1	3
Annelida (Characters,TheEarthworm,Other Examples, Classification)	1	3
Arthropoda (General Characters, Classification and Examples in addition toStudying An Insect as a Model.	1	3
Arthropoda (General Characters, Classification and Examples in addition toStudying An Insect as a Model.	1	3
Mollusca (General features, Example, Classification)		3

Echinodermata (Characters, Examples, Classification), and revision	1	3
Final Exam		

2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	**26**		**26**			52
	Actual						
Credit	Planed	2		1			3
	Actual						

3. Additional private study/learning hours expected for students per week. ☐

None

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	**Knowledge** **The students should be able to:**		
1.1	To describe the external and internal structures of invertebrate animals.@ - To Recall and differentiate between different animal tissues. - To define animals systematically in the Animal Kingdom. - To label different organs of different systems.@ - To get acquainted with the basics of the animal Ecology.@ - To name properties and structure of animal cell. - To memorize how to dissect some animals.	- In class lecturing (using PowerPoint and illustrations on the white board). - Discussions. - Self-learning and cooperative learning. - Application of scientific method in thinking by solving scientific problems. - Laboratory practice and microscope examination (Conducting experiments and writing reports). - Activities and homework.	Pre-final and final exams. - Assessment of lab reports and practical examinations. - Activities and homework evaluations.

2.0	**Cognitive Skills** **The students should be able to:**		
2.1	To diagram some organelles of animals under the microscope.@ - To compare animal development during different stages of their life cycles. - To recognizing animal tissues under the microscope. - To contrast taxonomically between different animals.@ - To prepare some examples of dissecting animals.	Use of microscopic illustrations. - Laboratory training - Activities and homework.	Students response during the class. - Evaluation of lab reports and examinations. - Evaluation of Activities and homework.
3.0	**Interpersonal Skills & Responsibility** **The students should be able to:**		
3.1	To choose a work in a team to conduct a specific project.@ - To demonstrate a specific project with minimal supervision. - To evaluate his results of work to others.	- Cooperative learning and application of scientific method in thinking by solving scientific problems. - Work as part of a team. - Conducting group experiments and writing group reports. Dividing students into groups to cooperate with each other during the animals dissecting.	Assessment of group projects. - Assessment of projects conducted individually.
4.0	**Communication, Information Technology, Numerical** **The students should be able to:**		
4.1	To operate in a team to conduct a specific	- Promoting students to submit activities,	Evaluating the laboratory written reports.

	project.@ - To calculate his results to solve problems.@ - To research and conduct searches for restoring information.	homework and writing reports.	- Evaluating activities and homework.
5.0	**Psychomotor** **The students should be able to:**		
5.1	To draw some examples of invertebrate animals. - To examine models of animals.	Use of microscopic illustrations. - Laboratory training.	- Evaluating the laboratory written reports.

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Activities and Short Quizzes	Distributed over 8 weeks	10%
2	Pre-Final Practical Exam	10	10%
3	Pre-Final Theoretical Exam	10	25%
4	Final Practical Exam	14	15%
5	Final Theoretical Exam	During the last two weeks of thesemester	40%

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)
Direct supervision by staff member over lab. Sessions.
- Office hours 8hr/ week.(the student has eight hours spread over days of the week) for asking and
receive answers from his lectures.)
- Academic Guidance: The student, supervised by an academy guidance who points him it to solve his
problems (by 20 student / teaching staff member)..

E Learning Resources

1. List Required Textbooks
Pechenik, Jan A.(2010): Biology of the Invertebrates, 6th Edition.McGraw-Hill. ISBN- 13 9780073028262
- Brooker, R. J., Widmaier, E. P., Graham, L. E. and Stiling, P. D. (2008). Biology. McGraw-HillInternational Edition.

2. List Essential References Materials (Journals, Reports, etc.) Pechenik, Jan A.(2010): Biology of the Invertebrates, 6th Edition.McGraw-Hill. ISBN- 13 9780073028262 - Brooker, R. J., Widmaier, E. P., Graham, L. E. and Stiling, P. D. (2008). Biology. McGraw-HillInternational Edition.
3. List Electronic Materials, Web Sites, Facebook, Twitter, etc. - Websites on the internet those are relevant to the topics of the course.
4. Other learning material such as computer-based programs/CD, professional standards or regulations and software. - Microsoft office package.

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access,etc.)
1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) Lecture halls, containing white boards, and electronic monitors. The seats fit the number of students. - Laboratories equipped with three tables and water sources, microscopes and animal samples.
2. Technology resources (AV, data show, Smart Board, software, etc.) **Not applicable**
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching - Distribution of questioners for course evaluation by students. - Students- teaching staff members meetings.
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department - Peer consultation by departmental course committee. - Self-evaluation of the programme by the department.
3. Processes for Improvement of Teaching Installation of modern microscopes, digital labs and maintenance. - Implementation of suggestions administration - Implementation of suggestions by departmental course committee. - Monitoring of teaching activates by administration.

4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) - Reviewing assessments by staff member/chairman/special committee when - Required and instructed by higher administration at the end of each semester.
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. Comparison of course with equivalent courses. - Reviewing course topics annually by the departmental course committee. - Refreshment of teaching resources to ensure updating of knowledge. - Use of statistics of course evaluation by students to improve the course.

Name of Course Instructor: __ _____

Signature: Date Specification Completed: _____

Program Coordinator:

Signature: _____ Date Received:_____