



Course specifications: العمل والمحاسبة والإدارة في التشريعات في UNR232

1. Basic Information

Program Title	Biomedical Engineering
Department offering the Program	Biomedical Engineering
Department Responsible for the Course	Faculty of commerce
Course Title	Legislation in management, accounting and work التشريعات في الإدارة والمحاسبة والعمل
Course Code	UNR232
Year/ Level	Level 200
Credit Hours	3
Specialization	Minor
Requirements	None
Authorization data of course specification	

Teaching Hours	Credit	Lectures	Tutorial	Practical
	3	2	2	-

2. Course Aims:

No.	Aims
2	Communicate and work effectively within multi-disciplinary teams
3	Recognize the information requirements of various business activities on medical organizations

3. Intended Learning Outcomes (ILOs):

A. Knowledge and Understanding:

No.	Knowledge and Understanding
A6	Know health and safety requirements
A7	Understand business and management principles relevant to engineering.
A9	Understand the laws related to humanitarian interests and moral issues.
A11	Know professional ethics and impacts of engineering solutions on society and environment
A16	Understand the role of a biomedical engineer in hospitals and healthcare facilities
A17	Know liability aspects related to biomedical engineering field
A19	Understand ethical and legal principles of professional practice in the area of biomedical engineering and healthcare environment

B. Intellectual Skills

No.	Intellectual Skills
B10	Incorporate economic dimensions and risk management in design.

C. Professional Skills

No.	Professional Skills
C9	Demonstrate efficiently basic organizational and project management skills.
C10	Apply quality assurance procedures and follow codes and standards in biomedical applications

D. General Skills

No.	General Skills
D6	Effectively manage tasks, time, and resources
D8	Acquire entrepreneurial skills

4. Course Contents:

No.	Topics	Weeks
1	مقدمة في الاقتصاد	1
2	العرض و الطلب ، التكاليف و القيمة الزمنية لتداول النقود	2-4
3	الجدوي الاقتصادية	5-6
4	نظم و قولنين المؤسسات	7,9
5	مقدمة للمحاسبة	10-11
6	تشريعات العمل و القوانين المنظمة للمهن الهندسية	12-13
7	تشريعات الامن الصناعي و البيئة	14

5. Teaching and Learning Methods:



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No.	Teaching Method
1	Lectures
2	Case Studies
3	Discussion Sessions

6 Teaching and Learning Methods for Disabled Students:

No.	Teaching Method	Reason
1	Online material	To help them understand

7. Student Evaluation:

7.1 Student Evaluation Methods:

No.	Evaluation Method	ILOs
1	Mid Term Examination	A6, A7
2	Semester work	A6, A7, A11, B10, C9, D6, C10, D8
3	Final Term Examination	A9, A16, A17, A19, B10

7.2 Evaluation Schedule:

No.	Evaluation Method	Weeks
1	Mid Term Examination	8
2	Semester work	Every week
3	Final Term Examination	15

7.3 Weighting of Evaluations:

No.	Evaluation Method	Weights
1	Mid Term Examination	15%
2	Semester work	35%
3	Final Term Examination	50%
Total		100%

8. List of References

No.	Reference List
1	Lecture notes.
2	Sullivan, William G., Elin M. Wicks, and C P. Koelling. Engineering economy. Upper Saddle River, New Jersey: Pearson, 2014.
3	Blank, Leland T., and Anthony J. Tarquin. Engineering economy. New York: McGraw-Hill, 2012.

9. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture Classroom
2	White Board
3	Data Show System
4	Sound System
5	Wireless Internet

10. Matrix of Knowledge and Skills of the Course:

No.	Topic	Aims	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	مقدمة في الاقتصاد	3	A6	B10		
2	العرض و الطلب ، التكاليف و القيمة الزمنية لتداول النقود	3	A7		C9	D6
3	الجدوي الاقتصادية	3	A6, A7	B10		D6
4	نظم و قولنين المؤسسات	2,3	A16,A17, A9		C9	D6,D8
5	مقدمة للمحاسبة	3	A17	B10		D6,D8
6	تشریعات العمل و القوانين المنظمة للمهن الهندسية	2,3	A17,A19	B10	C9	D6,D8
7	تشریعات الامن الصناعي و	2,3	A17,A19	B10	C10	D6,D8



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Course Coordinator: Prof.Dr.

Head of Department: Assoc. Prof. HossamEldeen Salah

Date of Approval;