



Course Specification: Technical writing UNR131



1. Basic Information

Program Title	Biomedical Engineering
Department offering the Program	Biomedical Engineering
Department Responsible for the Course	Various departments
Course Title	Technical Writing
Course Code	UNR131
Year/ Level	Level 100
Credit Hours	3
Specialization	Major
Requirements	UNR032
Authorization data of course specification	

Teaching Hours	Credit	Lectures	Tutorial	Practical
	3	2	2	-

2. Course Aims:

No.	Aims
2	Communicate effectively in technical writing concerning ethical responsibilities related to plagiarism.
3	Encourage the in-self and life-long learning to acquire the required skills required for technical writing.

3. Intended Learning Outcomes (ILOs):

A. Knowledge and Understanding:

No.	Knowledge and Understanding
A ₉	Identify the main topics which is related to technical reports writing and involving moral issues such as plagiarism.
A ₁₀	Select a suitable technical language and report writing method.
A ₁₁	Memorize the professional ethics while writing a technical report
A ₁₆	Outline the role of a biomedical engineer in writing technical reports in hospitals and healthcare facilities.
A ₁₈	Describe the techniques of writing reports for the health care professional and the public

B. Intellectual Skills

No.	Intellectual Skills
B ₃	Select a suitable technical language and report writing text.

C. Professional Skills

No.	Professional Skills
C ₁₁	Exchange a combination of knowledge and skills with engineering community and industry.
C ₁₂	Prepare, write and present technical reports in professional manner.

D. General Skills

No.	General Skills
D ₅	Lead and motivate individuals.
D ₉	Refer to relevant literatures.

4. Course Contents:

No.	Topics	Weeks
1	Definition of technical writing	1-2
2	identifying recipients	3-4
3	technical style and search	5-6
4	designing pages	7,9
5	automatic formatting and indexing	10-11
6	official and unofficial memos and reports	12-13
7	Recommendation letters, activity reports, and CV.	14



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5. Teaching and Learning Methods:

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

6 Teaching and Learning Methods for Disabled Students:

No.	Teaching Method	Reason
1	Extra discussion sessions	To communicate better with them

7. Student Evaluation:

7.1 Student Evaluation Methods:

No.	Evaluation Method	ILOs
1	Mid Term Examination	A ₉ , A ₁₀ , A ₁₁ , B ₃
2	Semester work	A ₁₆ , B ₃ , C ₁₁ , C ₁₂ , D ₅ , D ₉
3	Final Term Examination	A ₉ , A ₁₀ , A ₁₁ , A ₁₈ , B ₃

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	.Huckin, Thomas N., and Leslie A. Olsen. <i>Technical writing and professional communication for nonnative speakers of English</i> . McGraw-Hill, 1990
2	Phillip A. Laplante, "Technical Writing: A Practical Guide for Engineers and Scientists" CRC Press, 2011
3	Mike Markel, "Technical Communication" Bedford/St. Martin's; Tenth Edition edition (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	Definition of technical writing	2	A ₉ , A ₁₀ , A ₁₁			
2	identifying recipients	2	A ₁₀		C ₁₁	D ₅ , D ₉
3	technical style and search	2	A ₁₀ , A ₁₆	B ₃	C ₁₁ , C ₁₂	D ₉
4	designing pages	2,3	A ₁₀	B ₃	C ₁₁ , C ₁₂ ,	D ₅ , D ₉
5	automatic formatting and	2,3	A ₁₈	B ₃		D ₅



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	indexing					
6	official and unofficial memos and reports	2,3	A ₁₀ , B ₃	B ₃		D ₉
7	Recommendation letters, activity reports, and CV.	2,3	A ₁₀ , B ₃	B ₃		D ₉

Course Coordinator: Prof.Dr.

Head of Department: Assoc. Prof. Hossam Eldeen Salah

Date of Approval