



## Course Specifications: English 2 UNR032

### 1. Basic Information

<b>Program Title</b>	Biomedical Engineering
<b>Department offering the Program</b>	Biomedical Engineering
<b>Department Responsible for the Course</b>	Engineering Mathematics and Physics
<b>Course Code</b>	UNR032
<b>Year/ Level</b>	Level 000
<b>Specialization</b>	Minor
<b>Requirements</b>	UNR031
<b>Authorization data of course specification</b>	

<b>Teaching Hours</b>	Lectures	Tutorial	Practical
	1	2	0

### 2. Course aims:

No.	Aim
3	Encourage the in-self and life-long learning to acquire the required knowledge, skills, techniques, and the appropriate engineering technical language
5	Use skills to design biomedical systems in a teamwork manner considering professional and ethical responsibilities.

### 3. Intended Learning Outcomes (ILOs):

#### a. Knowledge and Understanding:

No.	Knowledge and Understanding
A9	Identify the method used to describe the humanitarian issues in English language taking into consideration the moral issues.
A <sub>10</sub>	Zero in on Technical language and report writing.
A11	Memorize the professional ethics and impacts of engineering solutions on society and environment and expressing it in English language.
A18	Writing reports for the health care professional and the public

#### b. Intellectual Skills

No.	Intellectual Skills
B <sub>4</sub>	Assess different ideas, views, and knowledge from a range of source in a English document

#### c. Professional Skills

No.	Professional Skills
C <sub>11</sub>	Exchange knowledge and skills with engineering community using English language.
C <sub>12</sub>	Prepare, write and present technical reports in professional manner.

#### d. General Skills

No.	General Skills
D <sub>3</sub>	Communicate effectively through written reports.

### 4. Course Contents:

No.	Topics	Weeks
1	Engineering language	1-4
2	Analysis and interpretation of engineering issues	5-7,9
3	Summarizing Engineering issues	10-12
4	Completing preparation for language tests	13-14

### 5. Teaching and Learning Methods:

No.	Teaching Method
1	Lectures
2	Discussion Sessions
3	Practical

### 6. Teaching and Learning Methods for Disabled Students:

No.	Teaching Method	Reason
1	Extra tutorials	To answer their questions

### 7. Student Evaluation:



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### 7.1 Student Evaluation Methods:

No.	Evaluation Method	ILOs
1	Mid Term Examination	A <sub>9</sub> , A <sub>10</sub> , A <sub>11</sub>
2	Semester work	A <sub>10</sub> , A <sub>18</sub> , B <sub>4</sub> , C <sub>11</sub> , C <sub>12</sub>
3	Final Term Examination	A <sub>10</sub> , A <sub>18</sub> , B <sub>4</sub>

### 7.2 Evaluation Schedule:

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

### 7.3 Weighting of Evaluations:

No.	Evaluation Method	Weights
1	Mid Term Examination	20 %
2	Semester work	30 %
3	Final Term Examination	50 %
Total		100%

### 8. List of References

No.	Reference List
1	Hill, D. "English for information technology", Pearson Longman, 2009
2	Ibboston, M. "Cambridge English for Engineering", Cambridge University, 2008
3	Bonamy, David, and Christopher Jacques. Technical English 3. Harlow: Pearson Longman, 2013.
4	Jacques, Christopher, and David Bonamy. Technical English 4. Harlow, England: Pearson Education, 2013.

### 9. Facilities Required for Teaching and Learning:

No.	Facility
1	Lecture Classroom
2	Lab Facilities
3	Sound System
4	Data Show System
5	Visualizer

### 10. Matrix of Knowledge and Skills of the Course:

No.	Topic	Aim	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	Engineering language	3	A <sub>9</sub> , A <sub>10</sub>			
2	Analysis and interpretation of engineering issues	3	A <sub>10</sub> , A <sub>11</sub> , A <sub>18</sub>	B <sub>4</sub>	C <sub>11</sub>	D <sub>3</sub>
3	Summarizing Engineering issues	3,5	A <sub>10</sub>	B <sub>4</sub>	C <sub>11</sub> , C <sub>12</sub>	D <sub>3</sub>
4	Completing preparation for language tests	5	A <sub>10</sub>	B <sub>4</sub>	C <sub>11</sub> , C <sub>12</sub>	D <sub>3</sub>

Course Coordinator: Prof. Dr.

Head of Department: Assoc. Prof. HossamEldeen Moustafa

Date of Approval