



Annual Course Report (Satellite Engineering)

A- Basic Information

1. Title and Code Satellite Engineering EC 431
2. Programme(s) on which this course is given EC
3. Academic year / Level of programme 4th year / 2nd semester (2012/2013)
4. Units/Weekly hours

Lecture Tutorial/Practical Total

5- Names of lecturers contributing to the delivery of the course

i- Prof. Moawad Ibrahim Moawad Dessouky

Course coordinator:

External evaluators:

B- Statistical Information

No. of students attending the course: No. %

No. of students completing the course: No. %

Results:

Passed: No. % Failed: No. %

Grading of successful students:

Excellent: No. % Very Good: No. %
Good: No. % Pass: No. %

Professional Information

1. Course Teaching

Content Topics	No of hours	lecture	Tutorial/ practical	Achieved ILOS
Introduction	10	6	4	a1,a3, bB1,b7, C1,c6,d1,d3
satellite systems	15	3	6	a3,a4, bB7, C6,c13, D3,d6
satellite links- satellite orbits	10	6	4	a4,a8, b7,b12 C1,c13,d3, d9
modulation techniques in Satellite Communication systems	10	6	4	a8,a17, b1,b12, C13,c16,d1, d9
multiple access techniques	10	6	4	a17, b7,b15,c7, c15, d1,d9
<i>satellite systems applications.</i>	10	6	4	A3, b15,c15,d1, d3,d9
<i>SUM</i>	65	39	26	

Topics taught as a percentage of the content specified:

>90 % 70-90 % <70%

2. Teaching and Learning Methods:

Lectures:

Practical Training/ Laboratory:

Seminar/Workshop:

Class Activity:

Case Study:

Other Assignments/Homework:

Case Study

Other assignments/homework:

A real world project assigned.

3. Student Assessment:

Method of Assessment	Percentage of total
Written examination	70
Midterm exams	15
Oral Examination	0
Practical/laboratory work	0
Other Assignments/class work	15
Total	100 %

Members of Examination Committee:

Prof.

Prof.

Prof.

Role of external evaluator:

4. Facilities and Teaching Materials:

Totally adequate

Adequate to some extent

Inadequate

5. Administrative Constraints

- Students need extra hours.....
- Insufficient class rooms and halls.
- Insufficient assistant staff members.
- Insufficient Lab. Technicians.

6. Student Evaluation of the course:

Response of Course Team

- Insufficient background in

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- Lack of

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- Algorithms.....

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7. Comments from external evaluator(s):

8. Course Enhancement:

- 1- Reduction in the content of basics.
- 2- Removal of overlapping parts.
- 3- Inclusion of modern topics about satellite networks.

9. Action Plan for Academic Year 2012– 2013

Improvement Field	Weak points	Action required	Person Responsible	Completion Date
Assessment Methods	Good	-	- Faculty - Department	2013
Quality of Teaching and Learning	Good	-	- Faculty - Department	2013
Learning resources	Not enough	Several references are required	Course Coordinator	2013
Course content	1- The topics included are small compared to the allowed time. 2- The background and satellite orbits parts are length. 3- The multiple access techniques are overlapping with those in mobile communications. 4- Important topics of satellite networks and telemetry systems are missing 5- Most of the course must be devoted to satellite networks	1- Reduction in the content of basics. 2- Removal of overlapping parts. 3- Inclusion of modern topics about satellite networks.	Course Coordinator	2012

Course Coordinator: Prof. Moawad Ibrahim Moawad Dessouky

Authorized by Department Council in :

Authorized by Faculty Council in:

Head of Department:

Prof.

Date: / /