



Minia university



Faculty of Engineering



Dept. Of Mech. Power and Energy

ANNUAL COURSE REPORT

University: Minia University
Faculty: Faculty of Engineering
Department: Mechanical Power and Energy

A. Basic Information

1. Course Title	:Thermodynamics (1)
2. Code	:MPE113
3. Department offering the course	: Mech. Power Eng. and Energy
4. Program(s) on which the course is given	:Mech. Power Eng. and Energy
5. Department(s) offering the program	: Mech. Power Eng. and Energy
6. Academic year / level	: First Year
7. Semester(s) in which the course is given	:(Extended over two semesters)
8. Start date of course this semester / year	:September 2012
9. End date of course this semester / year	:May 2013

Actual credit/taught hours:(whichever is appropriate)

Lecture: 2h Tutorial: 1h Practical: 1h Others: Total: 4 h

10. Rules for selecting examination committee:

Five or six faculty members are selecting considering their specialization to form an examination committee. A department council approves this committee followed by a faculty council approval.

11. External evaluator: NA

12. Names professors / lecturers contributing to the design and delivery the course

1. Dr. R. B. Mohamed

Course coordinator: Dr. Ramadan Bassiouny Mohamed

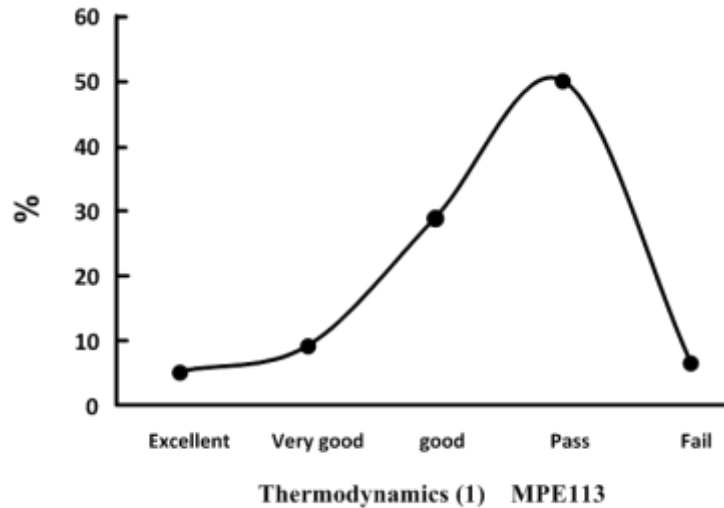
B Professional Information

1. Statistics

• No. of students starting the course :	76		
• No. of students completing the course :	76		
• Results :			
Passed:(71)	93.42%	Failed : (5)	6.58 %

- Grading of completing students:

Excellent	(4)	5.26
Very Good	(7)	9.21
Good	(22)	28.95
Pass	(38)	50.00
Fail	(5)	6.58



- Discussion of student performance:

The grades are, to a great extent, normally distributed.

2. Course teaching

- Almost 90% of the syllabus are taught.

Topics not taught: Gas and Vapor Cycles

1.2. Reasons in detail for not teaching any ILOs or planned topic

- Due to semesters' events, student response, and teaching these power cycles in coming Thermodynamics (2)*

1.3. Teaching and learning methods are specified in the course specification; however, *According to the time, there could be a term mini-project that should be submitted in groups and serves achieving practical as well as general skills.*

3. Teaching and Learning Methods:

The below teaching and learning methods adopted in the course are achieved.

Lectures.
Tutorial.
Discussion
Team work.
Reports
Office hours.
Self-learning.

4. Assessment Methods:

The below assessment methods adopted in the course are achieved.

Tutorial
 Reports
 Mid-term exams
 Oral/Practical Exam
 Final written exam

5. Members of course Examination Committee

1. *Dr. R. B. Mohamed*
2. *Prof. Dr. S. S. Ibrahim*
3. *Prof. Dr. A. A.M. Hassan*
4. *Prof. Dr. M. S. Abd El-Hadi*
5. *Prof. Dr. N. S. A. Qura*

6. Learning resources:

Adequacy	Academic staff	Non-academic staff	Teaching accommodation	Library	Laboratories and other practical Resources	IT facility
Totally adequate fit for purpose	✓			✓		
Adequate to some extent, needs some improvement			✓		✓	✓
Inadequate, urgent need for improvement		✓				

7. References: available: *The essential text book is bought by the students. In addition available versions of essential book and recommended books are available in the library.*

8. Learning aids facilities: available.

- *Air-conditioned class room.*
- *Data-show device*
- *Student Library*
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9. Essentials and Material: available to some extent. *There is a shortage in measuring devices and an action is mentioned in the action plan.*

7- Administrative constrains

Of the constraints is the deficiency of having well-trained technicians. In addition there is a discomfort for the technician being responsible for the lab contents. This makes him worry of losing anything from the lab.

8- Student evaluation of the course

8.1. Summarize feedback from students:

Item	Percentage
Evaluating Instructor	84%
Evaluating Syllabus	81%
Evaluating Teaching Halls and Devices	79%
Evaluating Teaching Assistants	76%

Most of the students enjoy learning practical tools; however, they feel some taught material is tough due to their lack of previous relevant scientific fundamentals of prerequisite courses.

8.2. List any criticisms that were or need to be addressed:

- *lack of performing some experiments*
- *Need to solve many examples.*

8.3. Response of course team to issues raised by students:

- *Usually discuss with the students their points of view and considers them.*
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9- External evaluation

6.1. Summarize comments from external evaluator's)

Not Available

6.2. Response of course team, discussion of issues raised by external evaluator

Not Available

10- Course enhancement

- **Action plan for next academic year (give date) 2013- 2014**

	Action required in order of priority	Person responsible	Start date	Intended completion date	Completed Yes/ No	cost
1	Renewal of course contents	Instructor	August 2013	September 2013	Yes	---
3	Carrying some relevant measurements	Instructor, Teaching assistant and lab technician	September 2013	May 2014	No	Cost of necessary measurement devices (Refer to program report)

We verify that the above report and the analyses of students and external evaluators' opinions are accurate.

Course coordinator:

Name:.....Dr. Ramadan Bassiouny Mohamed.....

Signature:..... Date:.....Dec. 2013

Head of Department:

Name:.....Associate. Prof. Dr. Ramadan Bassiouny Mohamed

Signature:..... Date:.....Dec. 2013...