

UNIVERSITY OF JORDAN
FACULTY OF ENGINEERING
MECHANICAL ENGINEERING DEPARTT.

COURSE DESCRIPTION:

0954705 *Energy Economics and Management. [3]*

Energy auditing and tracing of energy loss, Conservation of energy, methods re-use of energy, non traditional ways of energy use. Electrical energy losses. Environmental impact of energy generation. All are the main bone of the course.

TEXT BOOK:

Energy Management and Conservation Handbook. By Frank Kreith and D. Goswami

Introduction to Energy Management.

Energy management in industry, in Arabic, M Hammad

COURSE OUT LINES:

The following topics will be covered in this course:

- 1- General review.
- 2- Energy Auditing.
- 3- Economics review.
- 4- Energy conservation.
- 5- Electric Energy losses.
- 6- Environmental impact.
- 7- Renewable energy solution.

EVALUATION:

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| 1. projectas (2) | 20 marks |
| 2. Turn paper | 10 marks |
| 3. mid exam | 30 marks |
| 4. Final exam | 40 marks. |
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