

## Mechanical Engineering Department

### Thermodynamics 1

#### *Schedule of library work 2009/2010- first Semester*

Instructor: Dr. Ali Othman

Library work	Notes	Date
Read about <u>basics of thermodynamics</u> and <u>fluid mechanics</u> and write short report about the first law of thermodynamics	The report should contain: -Applications : <u>energy conservation principles</u> and <u>energy sources</u>	15 Nov.2009
Write a report about <u>thermodynamic tables</u>	The report should be short (2-3) pages and contains: - <u>Mixture state</u> - <u>Superheated state</u> (Show the references that you used)	20.Dec.2009
Answer the problems; 1.27.3.11, 3.44, 3.98 2.32, 4.15,4.23.4.56.4.76, 2.122 , .17,5.37,5.56,5.66,5.78, 5.89	<ul style="list-style-type: none"><li>- Solve questions or problems by the ending of each part and Show the questions and problems that you could not solve.</li><li>- Some questions and problems need to be solved using the textbook and other references. (Show the references in your homework)</li></ul>	
Write a short report about <u>applications of relation between thermal energy and work</u> and show the references that you used.		