

上海建桥学院课程教学进度计划表

一、基本信息

课程代码	2080271	课程名称	熱力學
课程学分	3 学分	总学时	48
授课教师	鄧治東	教师邮箱	2975835953@qq.com
上课班级	機械中原班	上课教室	教學三樓 414 教室
答疑时间	时间：機電樓 地点： 426 室 电话：		
主要教材	Thermodynamics – An Engineering Approach, Eighth Edition, SI Units, by Yunus A. Cengel and Michael A. Boles, McGraw-Hill Education, 2015		
参考资料	請參看所附 PPT 檔。		

二、课程教学进度

周次	教学内容	教学方式	作业
1	Thermodynamics is a basic science dealing with energy; energy is the ability to cause changes.	Lecture/Problems' Solving	v
2	Energy cannot be created or destroyed during a process; it can only change from one form to another.	Lecture/Problems' Solving	v
3	Understanding the various properties of substances	Lecture/Problems' Solving	v
4	Understanding the boundary work, first law of thermodynamics for closed systems, and the specific heats in the evaluation of thermodynamic systems, processes, and cycles	Lecture/Problems' Solving	v
5	Understanding the boundary work, first law of thermodynamics	Lecture/Problems' Solving	v

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	for closed systems, and the specific heats in the evaluation of thermodynamic systems, processes, and cycles		
6	Understanding the boundary work, first law of thermodynamics for closed systems, and the specific heats in the evaluation of thermodynamic systems, processes, and cycles	Lecture/Problems' Solving	v
7	Understanding the first law of thermodynamics for open systems (or so-called control volumes)by applying the energy balance concepts in the evaluation of thermodynamic systems, processes, and cycles	Lecture/Problems' Solving	v
8	Understanding the first law of thermodynamics for open systems (or so-called control volumes)by applying the energy balance concepts in the evaluation of thermodynamic systems, processes, and cycles	Lecture/Problems' Solving	v
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18	考试周	考试	

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三、评价方式以及在总评成绩中的比例

项目	期末考试 (1)	过程考核 1 (X1)	过程考核 2 (X2)	过程考核 3 (X3)	
考核形式					考 試 六次；其中五次成績較高者，予以採計分數。	出席
占总评成绩的比例					95%	5%

任课教师： 鄧治東

系主任审核：刘立华

日期：2016.9