

**Course Outline****Winter 2005**

<b>Division:</b> Business, Engineering & Information Technology			
<b>Program/Dept:</b> Architectural Engineering Drafting			
<b>Course Number:</b>	TDR 134	<b>Credits:</b>	5.0 <b>Variable:</b>
<b>Course Title:</b> <b>Systems in Building</b>			
<b>Inst. Intent:</b> 21 Vocational Preparatory		<b>CIP:</b> 15.1304	
<b>Fee:</b> None <b>Type:</b>			

<b>Degree/Certificate Requirement:</b>	Yes		
<b>Name of Degree/</b>	Architectural Engineering Drafting		
<b>Certificate Requirements:</b>	Associate of Applied Science Degree.		
<b>Distribution Requirement for AA/AAS:</b>	Yes		
<b>Transfer Status to 4-year institution:</b>	No.		
<b>If yes, please describe:</b>			
<b>Course Length:</b>	Based on 11 wks/qtr.	<b>Class Size:</b>	24
<b>Course Contact Hours:</b>	55 hrs.		
<b>Lecture:</b>	55	<b>Lab:</b>	<b>Clinical:</b> <b>Other:</b>
<b>Prerequisite:</b>	No	<b>If yes, please describe:</b>	
<b>Required Placement Tests:</b>	No	<b>If yes, please describe:</b>	
<b>Comments:</b>			

**Course Description:**

Course focuses on the major building systems including foundations, structural systems, heat loss prevention, water and waste, fire protection, electrical and HVAC. Course introduces the Uniform Building Code, type of construction and a historical discussion. Discussion will include heat loss calculation and lateral loads and their resisting elements.

