

CSM 2323 – CONSTRUCTION DOCUMENTS – SPRING 2010

SECTION 901 - 9:03AM-10:45AM TR (FS 3.4060)

SECTION 902 - 11:00AM-12:15PM TR (FS 3.422)

INSTRUCTOR: Jude W. Patin, P.E., PhD (Hon)
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OFFICE HRS: 10:00 am – 12:00 pm MWF, 1:00 pm - 2:00 pm TR, or by appointment

PREREQUISITE: ARC 2213 and enrollment as a major in Construction Science and Management.

CATALOG COURSE DESCRIPTION: (3-0) 3 hours credit. Introduction to construction documents and applicable software for use in communicating building design intentions to field personnel, including an understanding of how to interpret, explain, quantify and use construction documents to bid, construct and manage construction projects. (Same as ARC 4313. Credit cannot be earned for both CSM 2323 and ARC 4313.)

COURSE OBJECTIVES: A student completing CSM 2323 will be able to:

1. Interpret construction drawings and specifications relating to residential and commercial construction
2. Be familiar with units of measure in the English and metric systems
3. Be familiar with basic fundamentals of blue print reading
4. Be familiar with construction survey procedures relating to locating boundaries and layout of buildings
5. Be able to explain the components of a floor plan, elevations, sections and mechanical / electrical construction drawing
6. Be familiar with residential and commercial construction documents and the technical specification found in the CSI master format.

COURSE POLICIES:

1. No late homework or make-up exams (excuses for such are defined by the university rules and regulations).
2. Students are encouraged to attend their classes. If absence is necessary, instructors are to be notified before the fact, if possible.
3. Each and every student is entitled to as much consultation time as may be required. To preserve the privilege of obtaining individual assistance, each student is expected to attend class regularly.
4. In-class participation and questions are encouraged. They may positively influence grading decisions in borderline cases.
5. All cell phones must be off, not vibrate, but off while in class. All cell phones will be inside back packs or otherwise stored away from the student during all examinations.
6. All students are required to have a University network account to access the computers and WebCT.

COURSE MATERIAL & RESOURCES: **Course Materials:**

- James A. S. Fatzinger, 2004. "Blueprint Reading for Construction, 2/E", American Society of Professional Estimators, ISBN-10: 0131108115, ISBN-13: 9780131108110, Prentice Hall.
- CM Pro Calculator (Model 4064 or 4065), Yellow and Red Highlighter, Architect's and Engineer's Scale.

STUDENT CODE OF CONDUCT: Students are responsible for and encouraged to review the UTSA Student Code of Conduct. It can be found on the Judicial Affairs Web site (www.utsa.edu/osja/), in the UTSA Information Bulletin and is also available in the Office of Student Judicial Affairs and the Admissions/Registrar areas at the Downtown Campus and the 1604 campus.

SCHOLASTIC DISHONESTY: UTSA Student Code of Conduct Section 203.B states: "Scholastic dishonesty" includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, and any act designed to give unfair advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor, providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment), or the attempt to commit such an act.

GRADE POLICY	:	Midterm Exam	33%	GRADE SCALE	:	A	≥ 90
		Final Exam	33%			B	80 – 89.9999
		Chapter Exercises	34%			C	70 – 79.9999
		Quizzes	5%			D	60 – 69.9999
						F	≤ 59.9999

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Course Outline and Assignments

NO	DATE	TOPIC	ASSIGNMENTS	ACCE
1	Jan 12	Introduction and Course Requirements		
2	Jan 14	Construction Systems and Procedures	Read Handout	4.42,4.43, 4.44
<i>Jan 16, 2010 – Deadline to late register/add a class.</i>				
<i>Jan 19, 2010 – Martin Luther King Holiday.</i>				
3	Jan 21	Introduction to construction documents	Read pp. 3-20	4.42,4.43, 4.44
4	Jan 26	Introduction to construction documents		4.42,4.43, 4.44
5	Jan 28	Construction survey, identifying one’s property and property lines and location & building foot print	Read pp. 21-28	4.42,4.43, 4.44
6	Feb 2	Construction survey, identifying one’s property and property lines and location & building foot print		4.42,4.43, 4.44
7	Feb 4	Offsite and site improvements	Read pp. 35-43	4.42,4.43, 4.44
8	Feb 9	Offsite and site improvements		4.42,4.43, 4.44
9	Feb 11	Foundations and below grade construction	Read pp. 47-61	4.42,4.43, 4.44
10	Feb 16	Foundations and below grade construction		4.42,4.43, 4.44
11	Feb 18	The structure above grade (on-site) rough carpentry	Read pp. 65-87	4.42,4.43, 4.44
12	Feb 23	The structure above grade (on-site) rough carpentry and mid-term review		4.42,4.43, 4.44
13	<i>February 25, 2010 – Midterm Exam</i>			
14	Mar 2	Finish carpentry, trim, doors, windows, hardware and finish system	Read pp. 95-110	4.42,4.43, 4.44
15	Mar 4	Finish carpentry, trim, doors, windows, hardware and finish system		4.42,4.43, 4.44
<i>March 9-14, 2010 – Spring Break.</i>				
16	Mar 16	Plumbing, mechanical and Electrical	Read pp. 115-122	4.42,4.43, 4.44
17	Mar 18	Plumbing, mechanical and Electrical		4.42,4.43, 4.44
18	Mar 23	Analysis of the plans & specifications for the Lee residence	Read pp. 125-145	4.42,4.43, 4.44
<i>March 23, 2010 – Sophomore and Above Auto “W” Deadline.</i>				
19	Mar 25	Analysis of the plans & specifications for the Lee residence		4.42,4.43, 4.44
20	Mar 30	Commercial construction documentation	Read pp. 145-155	4.42,4.43, 4.44
21	Apr 1	Commercial construction documentation		4.42,4.43, 4.44
22	Apr 6	Commercial construction	Read pp. 163-173	4.42,4.43, 4.44
23	Apr 8	Commercial construction		4.42,4.43, 4.44
24	Apr 13	Off-site construction and site improvements	Read pp. 175-184	4.42,4.43, 4.44
25	Apr 15	Off-site construction and site improvements		4.42,4.43, 4.44
26	Apr 20	On-site construction – The Office	Read pp. 189-195	4.42,4.43, 4.44
27	Apr 22	On-site construction – The Office		4.42,4.43, 4.44
28	Apr 27	On-site construction – Manufacturing / Warehouse	Read pp. 199-207	4.42,4.43, 4.44
29	Apr 29	On-site construction – Manufacturing / Warehouse and Review for Final Exam		4.42,4.43, 4.44
<i>Final Exam - Section 901 - TBA</i>				
<i>Final Exam - Section 901 - TBA</i>				

This Syllabus is provided for informational purposes regarding the anticipated course content and schedule. It is based on the most recent information available as of the date of its issuance. It is as accurate and complete as is possible at this time. The instructors reserve the right to make any changes deemed necessary and/or appropriate. An effort will be made to communicate any syllabus changes in a timely manner. Students are responsible for being aware of these changes.