

Course Syllabus

Fall 2018

ET 222 – Construction Method and Materials

3 credit hours

Science and Technology Center

Monday, Wednesday & Friday 1:00 P.M. – 1:50 P.M.

Instructor: Travarus Horton

(662) 254-3890
travarus.horton@mvsu.edu

Course Description:

ET 222 – Construction Method I – This course deals with different construction methods and materials used in the construction industry. Specific attention is given to the most up-to-date green and sustainable methods for residential and commercial building construction as well as the latest materials, standards, and practices with construction material and methods.

Prerequisites ET 201 (3)

Lecture 3 hours, Total 3 hours per week.

Purpose of this Course: The purpose of this course is to train students in evaluation and selection of equipment and methods for construction of projects. Students will be introduced to construction concepts that include but are not limited to, the overall building process, regulations and standards, loads on buildings, properties and envelopes, fire properties, acoustical properties, joints and sealants, soil and excavation, and wood construction.

Textbooks: Construction Materials, Methods, and Techniques 4th Edition: Authors Eva Kultermann and William P. Spence ISBN: 978-1-3050-8627-2

Course Competencies: Upon completion of this course and successfully completing all requirements student should be able to:

- Identify the roles and challenges associated with the construction industry
- Properties of materials
- Knowledge of foundations
- Issues in masonry
- Function of wood, plastics and composites
- Explain the skills associated with ferrous metals and nonferrous metals
- Identify the use of fire suppression systems
- Identify the types of finishes
- Explain the cause of moisture
- Explain the role of special construction and conveying

NOTE: Additional assignments (SLOs) may be made upon objectives of course as they relate to students needs to gain an expected level of knowledge of the subject matter and the skills exemplified by the students.

Course Requirements for ET 222:

A number of instructional strategies are used in this course including lecture, collaboration, discovery learning, research project (written document); jigsaw and individual instruction. Students are encouraged to use critical thinking, deductive reasoning, problem solving and reflection to develop an understanding of the material covered.

Course requirements include the following:

- Course textbook
- Pens and paper at all times
- Complete all required assignments/presentation by date assigned
- Be prepared to take quiz at anytime (will not necessarily be announced)
- Participate in questions and answer sessions
- Read the text and become extremely knowledgeable of assigned chapters after reading, present information to small groups in the class (jigsaw). See an explanation of the jigsaw method of instruction at the end of syllabus.

Office Hours and Responses to Email and Telephone Inquiries: Office hours are on office door. Specific times may be arranged with the instructor by calling 9662) 254-3890.

Weekly Topics

WEEK	DATES	TOPIC(S) & RESOURCES	STUDENT LEARNING OUTCOME(S)
1	Aug. 20-24	DIV. 1 CH 1-3	
2	Aug. 27-31		TEST
3	Sept. 4-7	DIV. 2 CH 4-6	
4	Sept. 10-14		TEST
5	Sept. 17-21	DIV. 3 CH 7-9	
6	Sept. 24-28		TEST
7	Oct. 1-5	MID-TERMS	
8	Oct. 8-12	DIV. 4 CH 10-14	
9	Oct.15-19		TEST
10	Oct. 22-26	DIV. 5 CH 15-17	
11	Oct. 29-Nov. 2		TEST
12	Nov. 5-9	DIV. 6 CH 18-23	
13	Nov. 12-16		TEST
	Nov. 19-23	FALL BREAK	
14	Nov. 26-30	REVIEW	
	Dec. 3-7	FINALS	

ASSESSMENT SHEET FOR ET- _____

DATE	ASSESSMENT	SLO(s)	POINTS

Grade Standards and Weights for ET 222:

ET 222	
A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	59 and below

Class Attendance/ Participation	25%
Project	25%
Quizzes and Tests	25%
Midterm & Finals	25%

Class Policies:

Attendance: **Students are expected to attend class.** ET 222 is a three (3) semester hours course therefore, a student can only accumulate three (3) none excuse absents. Excessive absences will have a negative effect upon your final course grade. See grade standards and weight section. Past experience shows the performance of students who do not attend class is less satisfactory than is the performance of students who do attend class. Students are responsible and accountable for all information in lectures and all modifications to assignments presented in class. If a student misses a class, he or she is responsible for the material missed. **No make-ups will be given for tests unless an official documented excuse is received.**

Punctuality: Every student is expected to practice professional time management skills and report to class on time. Students who are late three times will be assessed one absentee. Students who are later by more than ten minutes will be counted absented but will be allowed in class. Students who arrive late are expected to take a seat nearest to the door and quietly sit down without disturbing the class.

Disruptive Behavior: Effective learning environments require the attention and positive contribution of both student and teacher. Sidebar or loud conversations, jokes, laughter, pranks, etc., between and among students in the classroom while class is in session are disruptive to the learning environment. Students disrupting the class/learning environment in such a manner are subject to sanctions per the student handbook. **Cell phone usage is not allowed in class. All phones must be places on vibrate or silent upon entering class. Students who are caught using cell phones will be deducted 10 points from their next scheduled exam.**

Professional Language/Respect: Professional language, conduct, and respect for peers, the instructor, and the learning process are a basic requirement.

Make-up Work: Make-up work/tests are not routinely available. **No make-ups will be given for tests unless an official documented excuse is received.**

Emergencies do occur. In the event of an emergency such as illness, family responsibilities, or death in the immediate family, documentation of the situation may be requested. Upon receipt/approval of the excuse, the instructor will schedule a date to complete the test. Rescheduled exams may contain different types and numbers of questions. The same material content will be covered.

Assignments will only be accepted as called for by the instructor, on the date due. If an assignment is delivered late, a scoring penalty will be applied.

Honor Code: Any work submitted is expected to be yours. Dishonesty (cheating) in any form will not be tolerated and will be handled by your instructor following the “*Policy and Procedures on Cheating and Plagiarism*” as published in the Mississippi Valley State University Undergraduate Catalog. All tests will be monitored.

Other: All other student conduct policies are in full effect as explained in the Mississippi Valley State University Undergraduate Catalog.

Accommodating Special Needs Students: Mississippi Valley State University is committed to providing reasonable accommodations for students with a documented disability. If you feel you are eligible to receive accommodations for a covered disability (medical, physical, psychiatric, learning, vision, hearing, etc.) and would like to request if for this course, you must be registered with the Services for Students with Disabilities (SSD) program administered by University College. It is recommended that you visit the Disabilities Office located inside the EMAP Computer Lab in the Technical Education (IT) Building to register for the program at the beginning of each semester.

For more information or to schedule an appointment, please contact Mr. Billy Benson, Jr. via phone or email at 662-254-3005 or billybenson@mvsu.edu