

Course Syllabus

Fall 2018

ET 334 – Site Planning & Surveying

3 credit hours

Industrial Technology Building

Tuesday & Thursday 9:25 a.m. – 10:40 a.m.

Instructor: Travarus Horton

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Course Description:

ET 334 – Site Planning & Surveying - Principles of construction site measurements and project layouts utilizing surveying instruments are explored in this course. It also introduces concepts of land use development with respect to the environmental impacts of project construction and post-construction performance. Also introduced are factors to consider when proposing human interventions in the ecology of the earth, including climatic parameters of sun, wind, water and biomass, as well as human parameters such as zoning, landscaping, use, and noise, and building with its auxiliary exigencies. Prerequisites: ET 222 and ET 223. (3)

Lecture 3 hours, Total 3 hours per week.

Purpose of this Course: This course will provide the student with pertinent and relevant educational information, knowledge and skills on concepts, processes and procedures relating to site planning and surveying. The student will be provided opportunities to participate in a learning environment that deals with the many facets of production and/or operation management theories, concepts and practices.

Textbooks: *Surveying with Construction Application*, Eighth Edition, by Barry F. Kavanagh & Dianne K. slattery, Pearson Prentice Hall, One Lake Street, Upper Saddle River, (2015) New Jersey, 07458, ISBN 13: 978-0-13-27668-2.

Construction Planning and Scheduling, Fourth Edition, by Jimmie W. Hinze, Pearson Prentice Hall, One Lake Street, Upper Saddle River, (2012) New Jersey, 07458, ISBN 13: 978-0-13-247398-9.

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

- Define terms in surveying
- Explain why the surveying mathematics is needed
- Explain leveling
- List several methods of tape measurements
- Identify assumptions on which the economic order quantity (EOQ) is based
- List the activities in the geomatics
- Explain quantity an final surveys
- Identify steps in building a network
- List the Reasons for planning and scheduling
- Explain the impact of scheduling decisions on productivity

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

Course Requirements for ET 334:

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
- scientific calculator
- 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 from 8:00 A.M. to 4:00 P.M. Monday through Friday. However, hours posted for class are the only hours I will not be available in my office. Specific times may be arranged with the instructor by calling (662) 254-3890.

Weekly Topics

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

Grade Standards and Weights for ET 334:

ET 334	
A	91 – 100
B	81 – 90
C	71 – 80
D	61 – 70
F	60 and below

Class Attendance /Class Participation	20%
Assignments	20%
Tests	20%
Midterm and Finals	20%
Field Work Question & Answers	20%

Class Policies:

Attendance: **Students are expected to attend class.** ET 334 is a three (3) semester hours course therefore, a student can only accumulate five (5) none excuse absents before they automatically lose **(5) five points** from their final grade. Any student that has (6) seven unexcused absences will automatically drop one letter grade. Any student with (7) or more absences will automatically fail this class. 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 arrive within the first (3) three minutes are considered to be on time. All students who show up after the (3) three minute allotted time are considered late. A student who accumulates (3) tardies will be assigned (1) absentee. All students who show up (10) ten minutes late are considered absent, but are allowed to stay in the class. Individual students who exhibit a pattern of habitual tardiness may be refused entrance to the class on the occasion of a late entrance.

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.

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

Electronic Devices: All cell phones and pagers are to be turned off prior to entering the class. Habitual failure to follow the rule regarding cell phones or pagers may result in a student being asked to leave class.

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: Students with learning or physical disabilities admitted to this class will be expected to perform the same level of work at the same proficiency as students without disabilities. However, where necessary, alternative methods will be used to accommodate any learning or physical condition if it is made known to the instructor in advance. No student will be turned away from this class because of a disabling condition.

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 it 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. If you are determined to be eligible after your confidential consultation, you will be provided with a Memo of Accommodations that must be submitted to each of your instructors.

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

Withdrawals and Incompletes: A syllabus constitutes a contract between the student and the course instructor. Participation in this course indicates your acceptance of its teaching focus, requirements, and policies. Please review the syllabus and the course requirements as soon as possible. If you believe that the nature of this course does not meet your interests, needs or expectations, if you are not prepared for the amount of work involved or if you anticipate that the class meetings, assignment deadlines or abiding by the course policies will constitute an unacceptable hardship for you, you should drop the class by the drop/add deadline. Incompletes will not be offered in this course.