

FOREST SURVEYING (FRSC 1160)

Credit Hours: 3

Dr. R. W. Brown

Prerequisites: MATH 1002 (or MATH 1101)

Textbook: None

Supplies: Electronic calculator; 3-ring binder

	<u>Points</u>
Grades: Three lecture exams	450
Final examination	250
Lab Assignments	150
<u>Quizzes</u>	<u>150</u>
Total	1000

<u>Grade</u>	<u>Points</u>
A	900 - 1000
B	800 - 899
C	700 - 799
D	600 - 699
F	< 600

Learning

Outcomes: Upon completion of this course, the student should know the following:

1. Specific terminology associated with the discipline of land surveying.
2. Systems used for land referencing (Latitude/Longitude, State Plane Coordinates, UTM coordinates, Land Lot/Land District, U.S. Public Land Survey).
3. Proper use of forest surveying equipment (hand compass and GPS units).
4. Techniques for field mapping and area computation.
5. How GIS software is used to create digital land management maps.
6. Elements of real estate law and the referencing of local land records.

Dr. R. W. Brown
08/17/09

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(FRSC 1160)**

COURSE OUTLINE

- I. Introduction
- II. Errors, Precision and Accuracy
- III. Measurement of Distance & Direction
- IV. Land Referencing Systems & Coordinate Systems
- V. Traversing
- VI. Global Positioning System (GPS)
- VII. Geographic Information Systems (GIS)
- VIII. Real Estate Law

ADDITIONAL COURSE INFORMATION

INSTRUCTOR: Dr. R. W. Brown
Room 123, Yow F/W Bldg. (*office hours are posted by door*)
Phone: 391-4795
E-Mail: rbrown@abac.edu

ATTENDANCE: Students are expected to attend every class meeting. If absent, it is the student's responsibility to obtain the information that was missed. Make-up quizzes and exams will only be given when an absence is excused in advance by the instructor, or when the absence is due to a medical emergency. Make-up of lab exercises will usually be impossible. Class attendance records will be kept by means of seating chart. **Students having more than three (3) unexcused absences will receive a grade of "F" for the course. Final determination of what constitutes an excused absence rests completely with the instructor.** Students penalized for excessive absences may appeal through the grade appeal process, as stated in ABAC's college catalog and student handbook.

CONDUCT: The following rules of conduct shall govern the behavior of all students in this course. Failure to observe these rules may result in dismissal from this course.

1. No eating or drinking is allowed in the classroom or indoor lab areas.
2. No smoking or other use of tobacco is allowed in the classroom, indoor lab areas, or in college vehicles used to transport students to field labs. **No smoking is allowed during field labs without the instructor's permission.**
3. Students must wear appropriate clothing during field lab exercises as announced in advance by the instructor.
4. Students are expected to conduct themselves in a mature and safe manner. No dangerous actions or activities will be tolerated.

Note: Dates of scheduled examinations and field trips, and due dates for projects and reports will be announced in class well in advance.

08/17/09