

INTRO TO GEOSPATIAL TECHNOLOGIES, GEOMATICS AND LAND SURVEYING

OVERVIEW

Welcome to week 1! This may be the first week of our class, but it is a BIG week, full of information and activities to help you get started. But then again, in a condensed 8-week hybrid class, every week will be a big week. 😊

Topics

- Introduction to Lāulima
- Introduction to Geomatics and Land Surveying.
- Introduction to Basic Coordinate Geometry and Trigonometry

Outcomes

1. Student will demonstrate his/her ability to conduct online research and compose a typed two-page college level report using articulated examples and ideas.
2. Student will access and retrieve information through print and electronic media, evaluating the accuracy and authenticity of the information.
3. Student will synthesize information from various sources, drawing appropriate conclusions for his/her report.
4. Student will demonstrate basic proficiency in applied survey math by solving Basic Coordinate Geometry and Trigonometry worksheet problems.

ACTIVITIES (REQUIRED)

In-Class Meetings

1. Two (2) In-Person Class meetings: **Wednesday, 5/20 @4:30pm - 7:30pm and Saturday, 5/23 @8am - 12pm** (Each class attendance and participation will be worth 5 points.)

Lessons

2. Work through **two Lessons** below. Each lesson has several parts with a review quiz after each part. (Each lesson is worth 10 points.)
 - [Lesson 1.1 Intro to GeoSpatial Technologies, Geomatics and Land Surveying](#)
 - [Lesson 1.2 Intro to Basic Coordinate Geometry and Trigonometry](#)

Assignments

3. **Assignment 1** and **Lab 1** are due on 5/27 at 4:30 pm. (10 points each)
- Required Assignment 1: Online Research, Careers in Geomatics & Land Surveys
 - Required Lab 1: Coordinate Geometry & Trigonometry Worksheet

Assessment

4. [Review Quiz 1.1](#)

Additional Reading/Video (Not Required)

- [CalTrans - Basic Survey Math](#)
- [CalTrans - Basic Survey Math II](#)
- [Land Surveyor \(Episode 65\)](#)

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