Santiago Canyon College
*What happens here matters.*

**Spring 2019**
sccollege.edu/survey

# Survey/Mapping Sciences Classes

## SURV 118–Plane Surveying — 4 units

History and careers in surveying. Introduction to survey measurements, distance, direction and elevations. Traverse computations and adjustment. Recording field measurements. Assists in passing the land surveyor-in-training exam. Completion of Math 160 recommended. *CSU/UC.*

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| **64349** | **Tuesdays** | **6:30–9:40pm** | **Ed Capalaran** | **2/12-6/4/19** |

*In addition to the Tuesday meetings, 6 all-day Saturday labs meet on Mar 2, 16; Apr 6, 27; May 11, 25. Detailed information provided at the first class meeting.*

## SURV 119–Advanced Plane Surveying — 4 units

Prerequisite: Survey/Mapping Sciences 118 or possession of a valid LSIT Certificate. Emphasis on coordinate geometry calculations. Route surveying with horizontal and vertical curves. Topographic surveying and mapping. Construction surveying. Introduction to geospatial technologies, boundary surveying and surveys of public lands. Field surveying projects. Assists in passing the land surveyor-in-training exam. *CSU/UC.*

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| **64351** | **Wednesdays** | **6:30–9:40pm** | **Chu Kow** | **2/13-6/5/19** |

*This hybrid is a combination of in-class and online instruction. In addition, 6 all-day Saturday labs meet on Mar 9, 23; Apr 20; May 4, 18; and Jun 1. Detailed information provided at the first class meeting.*

## SURV 155–Introduction to Geographic Information Systems — 3 units

Basic scientific principles of GIS as they relate to working with data that have important spatial orientation and organization. Covers basic concepts in mapping and orientation, the development of map scales and comparison of different coordinate systems and data error analysis. *CSU/UC.* (Same as Geography 155)
Recommended preparation: Familiarity with PC and Windows.

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| **66410** | **SCC Web** | **TBD** | **Staff** | **2/11-6/9/19** |

*Online class. Students must log-on to canvas.sccollege.edu on or before first day of class.*

## SURV 230–Legal Aspects of Land Surveying II — 3 units

Principles and techniques of boundary control. Interpretation of land descriptions, voluntary and involuntary transfer of property, senior rights, simultaneous conveyances, sequential conveyances, and case law pertaining to boundary disputes. *CSU.* Recommended Prep: Survey/Mapping Sciences 229.

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| **64365** | **SCC Web** | **TBD** | **Tom Propst** | **2/11-6/9/19** |

*Online class. Students must log-on to canvas.sccollege.edu on or before first day of class.*

## Offered through Community Services (fee-based classes, not for credit)

## Survey Mapping in Civil 3D — Fees: $290 per person

This advanced course will instruct students in the use of and capabilities of Computer Aided Drafting (CAD) software. The major emphasis is on survey law, drafting using templates and producing maps for agency submittals and work plans for use in both the office and field environments. The course is specifically intended for students with land survey training or experience and anyone who wants to learn how to prepare maps that will record.
Recommended preparation: Advanced Plane Surveying, CAD Fundamentals & Trigonometry.
To register for this class go to sccollege.edu/cs.

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| **67304** | **Saturdays** | **9:00a–12:00pm** | **Jonathan Maddox** | **3/2-6/1/19** |