

# PUB 150: INTRODUCTION TO PUBLIC WORKS

## Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
Credits:	3
Total Contact Hours:	54
Lecture Hours :	54
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	108
Strongly Recommended:	ENGL 101.
Transferable to CSU:	No
Transferable to UC:	No
Grading Method:	Standard Letter, Pass/No Pass

## Catalog Course Description

This course provides an overview of the various functions, tasks, activities and environments of the Public Works industry sector and its disciplines. Course covers the various aspects of public works construction including heavy civil construction based on current public works common practices, systems, processes, recognized standard construction documents, codes, regulations, basic means and methods, key participants, professional ethics, as well as current and future trends. Emphasis is in examining the various public works disciplines and career opportunities; helping prepare students for their public works career and serving the construction industry at large. 54 lecture hours.

## Course Objectives

- Examine the key public works systems and processes.
- Incorporate the governing state and federal regulations that influent public works construction.
- Understand the Safety Program Management Systems in Public Works
- Examine the Public Works Capital Improvement Programs
- Examine the Public Works In-House Construction & Maintenance Program
- Explain the key public works management principles and policies.
- identify the major canons of professional ethics
- Explain and classify different risk factors in construction projects

## Major Course Content

1. Introduction
2. Definition of Public Works
3. Public Works Organizations
4. The Key Players and Participants
5. Scope of Public Works construction projects
6. Public Works Projects
7. Construction and Maintenance Program
8. Systems and Processes
9. General Engineering Construction

10. Public Works Governing Documents
11. Applicable Federal and State Regulations
12. Risk and Safety in Public Works
13. Professional Ethics
14. Public Works Careers and Opportunities

## Suggested Reading Other Than Required Textbook

Various Instructor supplied handouts

## Examples of Required Writing Assignments

Conduct basic library research of public works career opportunities as directed by instructor.

## Examples of Outside Assignments

Research existing Public Works Agencies' Capital Improvement Program and/or Maintenance Program

## Instruction Type(s)

Lecture, Online Education Lecture