

# COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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## **CIVE 123N - DESIGN OF REINFORCED CONCRETE STRUCTURES (3 UNITS)**

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

### **COURSE OVERVIEW**

#### **SUMMARY**

Introduction to materials and methods of reinforced concrete construction; behavior and design of reinforced concrete beams and one-way slabs considering deflections, flexure, shear, and anchorage; behavior and design of columns; design of spread footings or other foundation elements; design of earthquake-resistant structures; introduction to prestressed concrete.

#### **PREREQUISITES**

CIVE 120 ([cive120.html](#)) or equivalent

Fall only

#### **WORKLOAD**

#### **TIME COMMITMENT**

3 hours of lecture per week.

