CE 232: NONLINEAR STRUCTURAL ANALYSIS

In Workflow

1. CE Committee Chair (fogarty@csus.edu)
2. CE Chair (fellb@csus.edu)
3. ECS College Committee Chair (figgess@csus.edu)
4. ECS Dean (kevan@csus.edu)
5. Academic Services (torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
8. Dean of Graduate (cnewsome@skymail.csus.edu)
9. Catalog Editor (torsetj@csus.edu)
10. Registrar's Office (wlindsey@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Thu, 17 Sep 2020 02:35:51 GMT
   Julie Fogarty (fogarty): Approved for CE Committee Chair
2. Thu, 17 Sep 2020 16:13:04 GMT
   Benjamin Fell (fellb): Approved for CE Chair
3. Thu, 01 Oct 2020 16:28:53 GMT
   Gareth Figgess (figgess): Approved for ECS College Committee Chair
4. Fri, 02 Oct 2020 15:47:56 GMT
   Kevan Shafizadeh (kevan): Approved for ECS Dean

Course Deactivation Proposal

Date Submitted: Thu, 17 Sep 2020 02:31:46 GMT

Viewing: CE 232 : Nonlinear Structural Analysis

Last edit: Thu, 17 Sep 2020 02:31:45 GMT

Changes proposed by: Julie Fogarty (218645519)

Catalog Title:

Nonlinear Structural Analysis

Class Schedule Title:

Nonlinear Structural Analysis

Academic Group: (College)

ECS - Engineering & Computer Science

Academic Organization: (Department)

Civil Engineering

Catalog Year Effective:

Spring 2021 (2021/2022 Catalog)

Subject Area: (prefix)

CE - Civil Engineering

Catalog Number: (course number)

232

Course ID: (For administrative use only.)

107591

Units:

3

In what term(s) will this course typically be offered?

Spring term only - odd years

Does this course require a room for its final exam?
Yes, final exam requires a room

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Theory and applications of nonlinear structural analysis including geometric and material nonlinear effects. Stability issues and second-order analysis methods in the context of moment amplification effects, member buckling, and the behavior of structural elements and frames undergoing large deformations. Inelastic material behavior and stress resultant plasticity concepts within a line-type element framework. Computer implementation of geometric nonlinear behavior.

Fee Course?
No

Is this course designated as Service Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
No

Does this course have prerequisites?
Yes

Prerequisite:
CE 231A or instructor permission.

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
No Approval Required

Course Component(s) and Classification(s):
Seminar

Seminar Classification
CS#05 - Seminar (K-factor=1 WTU per unit)
Seminar Units
3

Can this course be repeated for credit?
No

Can the course be taken for credit more than once during the same term?
No

Is this a Graduate Writing Intensive (GWI) course?
No

Key: 569