



What is CIVL 4122?

"Engineering is the art of molding materials we do not wholly understand, into shapes we cannot precisely analyze so as to withstand forces we cannot properly assess, in such a way that the public has no reason to suspect the extent of our ignorance."

Dr. A.R. Dykes, British Institution of Structural Engineers (1976).

This quote encapsulates a key aspect of structural engineering, highlighting the balance between theoretical knowledge and practical application.

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What is CIVL 4122?

Course Title: Structural Analysis II

Course Description:

Analytical and numerical solutions for statically indeterminate structures.

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What is CIVL 4122?

Prerequisites: CIVL 3121 - Structural Analysis I
CIVL 3322 - Mechanics of Materials

Course Meetings:

MWF 11:10 am - 12:35 pm, Room ES 116

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What is CIVL 4122?

Instructor:

Dr. Charles Camp, Office: ES 106B
Phone: 678-3169 (office)
Email: cvccamp@memphis.edu

Office hours:

An "open door policy" or by appointment

Class website: www.ce.memphis.edu/4122

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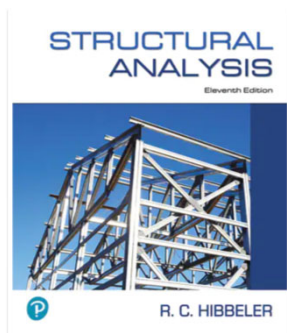
What is CIVL 4122?

Required Textbook:

Structural Analysis

Russell C. Hibbeler
Eleventh Edition
Pearson, 2024

ISBN-13: 978-0-13-802628-8
ISBN-10: 0-13-802628-9



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What is CIVL 4122?

Grading

The final grades for the course will be based on the following percentages:

Components	Percentages
Homework	20%
Quizzes	70%
Project	10%

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What is CIVL 4122?

Grading

Final letter grades will be based on the following scale, which reflects the percentages as noted above.

Exam/Homework	Grade
90-100	A
87-89	B+
84-86	B
80-83	B-
77-79	C+
74-76	C
70-73	C-
Below 70	F

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What is CIVL 4122?

Grading

- ▶ Regular attendance is necessary to maintain pace with the lectures and the class's progress.
- ▶ If you must be absent, please make sure you know the assignment for the following class meeting and turn in any work due that day.
- ▶ Assignments are posted on the class website.

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What is CIVL 4122?

Make-up Work

- ▶ Generally, if a student misses a quiz or an exam, a score of zero will be recorded.
- ▶ However, the student may be allowed to make up an exam if a valid reason for the absence is presented to the instructor at the next class meeting.
- ▶ If the student must miss an exam because of a conflict in their schedule, they must notify the instructor in writing at least two days before the absence.

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What is CIVL 4122?

Make-up Work

- ▶ To have your two lowest quiz scores and two lowest homework scores excluded from your class average, join the Remind page of the class (remind.com) using the code **@ce4122**.

Remind



CIVL 4122 f25
@civl4122

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What is CIVL 4122?

Topics

- Chapter 9** - Analysis of Statically Indeterminate Structures by the Force Method
- Chapter 10** - Displacement Method of Analysis: Slope-Deflection Equations
- Chapter 11** - Displacement Method of Analysis: Moment Distribution
- Chapter 14** - Truss Analysis Using the Stiffness Method
- Chapter 15** - Beam Analysis Using the Stiffness Method
- Chapter 16** - Plane Frame Analysis Using the Stiffness Method
- Chapter 17** - Structural Modeling and Computer Analysis

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What is CIVL 4122?

Any questions?



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