

Approval Chart for Curriculum Changes

A = Approve I = Information Item¹ R = Advise & Respond²

Course Number ENGR 370 or Degree Plan(s) _____

State the requested change and reason. A memo may be attached if more space is necessary.

See Attached

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

					COUNCIL ³					
	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A		I			I	I
2.	Description (not affecting content)	A	A	A		I			I	I
3.	Course term(s)	A	I	A		I			I	I
4.	Content (substantive change)	A	A	A		I			A	A
5.	Number of hours (lecture, lab, contact)	A	A	A		A			A	A
6.	Course number within the hundred	A	A	I		I			I	I
7.	Course number beyond the hundred	A	A	A		A			A	A
8.	Prerequisites	A	A	A		I			I	I
9.	Course fee(s)	A	--	A		--			A	I
10.	From U to G or G to U	A	A	A		A			A	A
11.	Cross list with another department: U or G level	A	A	A		A			A	A
12.	Department of record	A	A	A		A			A	A
13.	Open or close a course	A	A	A		A			A	A
14.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A		A			A	A

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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					COUNCIL ³			Provost	Faculty	President	Board of Trustees	
Change to a Degree Plan		Dept./School	College Academic	Deans	TEC	UGEC	UUAC					GRAD
1.	University Requirements — Change in approved course content ⁶	A	A	A	A				A	--	A	--
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A	A				A	A	A	--
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	--	--	A				A	--	A	--
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A	A				A	A	A	--
5.	Major — Revision of major ^{4,5}	A	A	A	A				A	--	A	--
6.	Major — Adopt or change admission requirements	A	A	A	A				A	--	A	--
7.	Major — Add ^{4,5}	A	A	A	A				A	A	A	I
8.	Major – Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
9.	Major – Discontinue (proposed by the Provost)	See below.										
10.	GPA — Revise major or cumulative requirement	A	A	A	A				A	A	A	--
11.	Minor — Revise course selection	A	A	A	I				I	--	I	--
12.	Minor — Add	A	A	A	A				A	--	A	--
13.	Minor – Discontinue (proposed by the department or college)	A	A	A	A				A	--	A	--
14.	Minor – Discontinue (proposed by the Provost)	See below.										
15.	Degree — Add	A	A	A	A				A	A	A	I
16.	Degree --Discontinue (proposed by the department or college)	A	A	A	A				A	A	A	I
17.	Degree – Discontinue (proposed by the Provost)	See below.										
18.	Any change to a graduate degree program	A	A	A	A				A	--	A	--

		COUNCIL ³						Faculty	President	Board of Trustees
		Provost	Department	Dean	TEC	UUAC	Graduate			
Provost-Proposed Change										
1.	Major/Graduate Program — Discontinue (proposed by the Provost)	A	R	R		A		A	A	I
2.	Minor — Discontinue (proposed by the Provost)	A	R	R		A		--	A	--
3.	Degree — Discontinue (proposed by the Provost)	A	R	R		A		A	A	I

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COUNCIL ³									
	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--		A		A	A
2.	Admission requirements	--	--	--		A		A	A
3.	Policies governing academic probation and suspension	--	--	--		A		A	A
4.	Requirements for graduating with honors	--	--	--		A		A	A
5.	Other academic policy changes	--	--	--		A		A	A

¹ Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

² The Dean and Department should respond to the Provost's recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

⁶ Courses that satisfy ACU's University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and "not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession" (SACS 2.7.3). Departments may request exceptions to the first three criteria.

⁷ The UUAC approved the clarification that "general requirements for graduation" means the enumerated items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 3-8-17

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 <i>Signature</i>	10/29/18 <i>Approval date</i>
 <i>Signature</i>	 <i>Approval date</i>

College Academic Council(s)	
 <i>Signature</i>	11-20-2018 <i>Approval date</i>
 <i>Signature</i>	 <i>Approval date</i>

Dean(s)	
 <i>Signature</i>	11/27/18 <i>Approval date</i>
 <i>Signature</i>	 <i>Approval date</i>

Teacher Education Council	
 <i>Chair's signature</i>	 <i>Approval date</i>

General Education Council	
 <i>Chair's signature</i>	 <i>Approval date</i>

Undergraduate Academic Council	
 <i>Chair's signature</i>	 <i>Approval date</i>

Graduate Council	
 <i>Chair's signature</i>	 <i>Approval date</i>

Provost	
 <i>Signature</i>	 <i>Approval date</i>

Faculty	
 <i>Chair of faculty senate</i>	 <i>Approval date</i>

President	
 <i>Signature</i>	 <i>Approval date</i>

Application for a New Course v10.6

Course ID <i>Subject and Number</i>	ENGR 370
Date APPROVED	
Date DENIED	

I. Systems and Catalog Information Complete each item.

1	Course Developer	Timothy Kennedy
2	Course Teacher	A member of the engineering faculty or an adjunct with a PE.
3	Course Title	Structural Analysis
4	Course Abbreviation (if title is over 30 characters)	
5	College	CAS
6	Department	Engineering and Physics
7	Number of Credit Hours	3
8a.	Number of contact hours - lecture	3
8b.	Number of contact hours – lab/activity	0
9	Is the course for a fixed or variable number of credit hours?	Fixed
10	Explanation for variable credit	n/a
11	Is the course repeatable for additional credit?	No
12	Maximum total number of credit hours a student can earn for this course	3
13	What type of course is this? (Select one. Please see Schedule Type definitions above.)	☒ Traditional lecture ☐ Traditional lab ☐ Traditional lecture/lab ☐ Experiential Learning ☐ Seminar ☐ Studio ☐ Thesis

		___Dissertation
14	Instructor Workload	3
15	Grade Mode (check all appropriate):	☒ Standard ___Credit/No Credit (undergrad only)
16	Maximum Enrollment	18
17	Catalog Description (50 words or less)	Introduction to basics of structural engineering: design loads, shear and moment diagrams, equilibrium of external and internal forces, deflection of structures, and influence line diagrams to aid in predicting deflected shapes.
18	List any prerequisites (course/s, test scores, class standing, major, etc.)	ENGR 332, Mechanics of Materials
19	List any co-requisites	None
20	If the course is cross listed, specify the Course ID(s); MUST have signature in Section V from all Department Chairs	None
21	Does this course have any special student costs?	☒ No ___Yes (If yes, must attach a <u>completed</u> "Request to Add or Change Course Fees" form. Describe in section IV-F.)
22a	How frequently will the course be offered in the Fall ? All, even or odd years?	All
22b	How frequently will the course be offered in the Spring ? All, even or odd years?	None
22c	How frequently will the course be offered in the Summer ? All, even or odd years?	None
23	First semester this course will be offered <i>New courses may not be taught under their approved course ID until they appear in the catalog, therefore, no earlier than the coming fall.</i>	Fall 2019
24	List course/s that should be deleted,	None

	(Also, include the last semester for course/s being deleted) <i>A course cannot be deleted when it is a requirement in a degree plan in any department.</i>	
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25	Is this course required for a degree/s? <i>If "Yes," attach a revised degree plan(s) reflecting the placement of the new course.</i>	☐ No ☒ Yes
26	Should the addition of this course be retroactively applied to the degree plan it supports?	☒ No ☐ Yes Explanation:
27	Has this course been offered as a Special Topics course?	☒ No ☐ Yes <i>If "Yes," specify the Course ID and enrollment for each term it was taught. (Note: New courses are NOT required to be taught as Special Topics courses prior to being approved. However, a course may be taught once as Special Topics before it is proposed. See the Course Descriptions section of the Catalog for details.)</i>
28	List any courses in which the content overlaps the proposed course. (Course ID and Name) <i>Attach a statement from the instructor/dept chair of the existing course justifying the new offering in Section IV-D.</i>	None

II. Curriculum

1	Degree Plan Explanation of how this course affects degree requirements.	The course will be a depth elective for students pursuing an emphasis in Civil Engineering within the Bachelor of Science in Engineering degree.
2	Justification State the justification for adding this course to the current curriculum.	Based upon recent (Fall '17 and Spring '18) feedback from the ACU Engineering Industrial Advisory Board, ACU admissions, recent ('17 and '18) senior exit surveys, and the American Society of Engineering

	Represent the need.	Educators, additional depth in engineering disciplines is needed within our degree plan to increase competitiveness of ACU graduates in the job market. Structural Engineering is one of the major disciplines within Civil Engineering and is a large portion of the Civil FE taken by students upon graduation.
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III. Course Design

1. Audience and Course Goal

1	Describe the intended audience, including prerequisite skills.	Junior Engineering students with an interest in Civil Engineering or any student with an interest in structural design who meets the prerequisites
2	State the overarching course goal(s) in performance terms.	To equip engineering students with an overall an introduction to the process and design principles of structural engineering with focus on the basic analysis tools needed for determinate and indeterminate structures

2. Competencies and Measurements

	Competency	Measurement
1	Identify, formulate and solve problems encountered in structural analysis as an integral part of the design process in engineering practice	Homework, quizzes, exams
2	Understand the behavior of structures and components under dead, live and other loading conditions required by common building codes and design specifications	Homework, quizzes, , exams
3	Apply classical and contemporary methods of structural analysis in engineering practice to determine deflections in beams, frames, etc.	Homework, quizzes, exams
4	Utilize structural engineering software for the analysis of statically	Homework, project

	determinate and indeterminate beams, frames and trusses	
5	Communicate solutions to structural engineering problems in an effective documented consistent with that of professional engineers.	Homework, exams

3. Text and Resources

1. Give the full publication information of the textbook/s and other required resources and outside readings.

Hibbeler, R. C. (2017) Structural Analysis, 10th Ed. Pearson Prentice Hall, San Francisco. ISBN: 978-0134610672

2. For **combined undergraduate/graduate** courses, make two lists:

a. full publication information; label **Undergraduate**.

b. full publication information; label **Graduate**. Indicate number of pages required.

IV. Supporting Documentation

Supporting documents must accompany proposal prior to preliminary approval by chair and dean.

1	Library — Submit new course application and syllabus to the Dean of the Library. Consult with the director and establish a deadline for completion of the library report. Attach the signed copy of the Library report.
2	Instructional Design — The application and syllabus must be reviewed by the Adams Center. Attach a copy of the Adams Center Review Letter.
3	Content Overlap — Include one document for each course you listed in Section I-I. Attach statement from instructor/dept chair of existing course justifying the new offering.
4	Departmental Resources — List the resources that support the course and are available only through the department, if applicable. Attach the list of the holdings and the location/s.
5	Resources — List resources (other than library or departmental resources) that are needed to support this course (computers, lab equipment, other technology, etc.). Attach a complete list of all items and indicate possible sources or estimated cost of each. List the sources of any needed funds.
6	Expenses — List additional expenses needed to implement this course (full-time or part-time faculty, graduate or lab assistants, student employees, travel, special student costs, room renovation, storage facility, etc.). Attach a complete list of all items, the estimated cost of each and the source of the funds.
7	Justification — Attach all documents referred to in Section II-2
8	Syllabus — Attach the syllabus for the course based upon the anticipated first-semester offering.
9	Provide documentation for all additional attachments here

V. Preliminary Approvals

All supporting documentation has been assembled and attached to this application. I believe this course is ready to be presented to appropriate councils. We have a plan to fund this new course.

Course Number and Name ENGR 370

Primary Department


Department Chair

10/26/18
Date


Dean of the College

11/27/18
Date

Cross-listing Department *Add more lines if multiple departments are cross-listing*

Department Chair
Dean of the College

Date

Date

Cross-listing Department *Add more lines if multiple departments are cross-listing*

Department Chair
Dean of the College

Date

Date

VI. Actions *Place all actions on one page.*

Course ID: _____

Course Title: _____

1. College Academic Council: (for all courses)

Note: Insert additional lines for College Academic Council action for each college involved in cross-listed courses.

Approved _____ Denied _____
College Dean or Director Date _____

Approved _____ Denied _____
College Dean or Director Date _____

2. Graduate Council: (for graduate level courses)

Approved _____ Denied _____
Dean of Graduate School Date _____

3. Teacher Education Council: (when applicable)

Approved _____ Denied _____
TEC Chair Date _____

4. University General Education Council: (when applicable)

Approved _____ Denied _____
Provost's designee Date _____

5. University Undergraduate Academic Council: (*undergraduate level courses*)

Approved _____ Denied _____
Vice Provost Date _____

6. Academic Provost: (for all courses)

Approved _____ Denied _____
Provost Date _____

7. President of the University: (for all courses)

Approved _____ Denied _____
President Date _____

Attach notes, comments, or conditions from appropriate councils:

Structural Analysis

ENGR 370, Section 01

Abilene Christian University

Fall 2019

Course Description

The course provides students with an introduction to some basic tools of structural analysis and design. Topics include: design loads, shear and moment diagrams, equilibrium of external and internal forces, deflection of frames, beams and trusses, and influence line diagrams to aid in predicting deflected shapes.

Prerequisites: ENGR 332 *Mechanics of Materials*

Credit hours: 3.

Class Meeting Times and Location

This class meets Monday, Wednesday, and Friday from 9:00 a.m. to 9:50 a.m. in Onstead Science Center B61.

Required Text

Hibbeler, R. C. (2017) Structural Analysis, 10th Ed. Pearson Prentice Hall, San Francisco. ISBN: 978-0134610672

Intended Audience

This is a required course for Engineering majors and intended to be completed during their Junior or Senior year who are interested in Civil or Structural Engineering.

Catalog Description

Introduction to basics of structural engineering: design loads, shear and moment diagrams, equilibrium of external and internal forces, deflection of structures, and influence line diagrams to aid in predicting deflected shapes.

Contact Information

Name: Dr. Timothy Kennedy, P.E. Assistant Professor of Engineering
Office: Onstead Science Center 137D
Phone: 325-674-2165
Email: timothy.kennedy@acu.edu
Office hours: Daily 8-10 a.m. Additional office hours can be arranged as needed.

The mission of ACU

To educate students for Christian service and leadership throughout the world.

The mission of the College of Arts and Sciences

To educate students for worldwide Christian service and leadership through programs of study and other learning experiences that blend a liberal arts education with professional and career education.

The mission of the Engineering and Physics Department

The ACU engineering program strongly supports the university's mission of educating students for Christian service and leadership throughout the world. In support of this mission, ACU engineering graduates will attain:

- A deep and broad understanding of engineering principles and practices as evidenced by professional employment, continued professional development, and graduate study in engineering or other professional fields.
- An extensive knowledge of the innovative design processes unique to engineering professionals as demonstrated by using critical thinking skills to contribute to the scientific and technical literature, patents and intellectual property, professional societies, and creative designs.
- A thorough understanding of Christian service and leadership as shown in their commitments to professionalism, ethics, and service and leadership within the engineering profession, the church, and society.

Teaching Philosophy

Engineering and physics are well respected professions. The public places great trust in these professionals being honest, competent, and ethical. Many codes of ethics for these fields indicate that the commitment to protecting the health, safety, and welfare of the public is of paramount importance. These values are in harmony with Christian principles and ideals. Christian engineers should be honest (Matthew 5:37), work hard to ensure competency (Colossians 3:23), and put the public's interest ahead of his or her own (Luke 6:31). In light of these principles, this course will be taught such that you will gain an appreciation for the professional nature of engineering and physics. It will be taught so as to give you every opportunity to begin to develop competency in these fields. This will require reading assignments, homework, quizzes, tests, and group discussion. The instructor especially encourages the discussion of topics that would bear on integrating faith and professional responsibilities (cheating on licensure exams, weapons design and manufacture, environmental laws and employment opportunities in developing nations, etc.).

Learning Objectives

In this course students will learn the fundamentals of

Competencies and Measurements

	Competency	Measurement
1	Identify, formulate and solve problems encountered in structural analysis as an integral part of the design process in engineering practice	Homework, quizzes, exams
2	and the behavior of structures and components under dead, live and other loading conditions required by common building codes and design specifications	Homework, quizzes, , exams
3	Apply classical and contemporary methods of structural analysis in engineering practice to determine deflections in beams, frames, etc.	Homework, quizzes, exams

4	Utilize structural engineering software for the analysis of statically determinate and indeterminate beams, frames and trusses	Homework, project
5	Communicate solutions to structural engineering problems in an effective documented consistent with that of professional engineers.	Homework, exams

Course Policies

Academic Integrity

Academic integrity is defined as academic work completed as assigned for each class by the individual or group responsible for the work. Violations of academic integrity and other forms of cheating involve the intention to deceive, mislead, or misrepresent and therefore, are a form of lying. Such actions are contrary to behavioral norms that flow from the nature of God. Academic misconduct includes, but is not limited to, the following: 1) Failing to give credit to sources used in a work in an attempt to present the work as one's own, 2) Submitting papers or projects obtained from another source (e.g., research service or club paper file) as one's own, 3) Falsifying information orally or in writing, and 4) Receiving, giving, or using unauthorized aid on an examination or quiz. An example of academic misconduct specific to this course might be copying an instructor's solution while their back is turned and then sharing the solution with classmates. All parties involved would be guilty of misconduct. Academic misconduct may result in, but is not limited to, a zero on the assignment and/or an F in the course. Additionally, the department chair, Dean of the College of Arts and Sciences, and the Dean of Student Life will be notified. See the full university policy, including how to appeal a decision, by following this link: <http://www.acu.edu/academics/provost/policies/index.html>.

Attendance Policy

Attendance is expected at all class sessions. It is also expected that you arrive promptly. If you are absent or tardy it will negatively affect your homework and quiz grades. Typically, classes will involve the presentation and discussion of new material, discussion of textual reading assignments, or the consideration of problems to solve. Occasionally during class, students will work in small groups to solve problems. You are required to attend at least 80% of class meetings in order to receive credit for the course. If you miss more than 20% of the classes, you will be dropped from the class with a WF. This grade averages in your GPA as an F.

If you are absent from class, it is your responsibility to get the lecture notes and class assignments before the next class meeting.

Course Assignments	Due Date*	Weight
Homework Unless notified to the contrary, you are highly encouraged to work together on the homework assignments. When working together students should not copy one another's answers, but help guide and teach one another when one student understands a concept more clearly. Homework will be assigned weekly (with the exception of exam days) and due at the beginning of class the following meeting. Homework is due at the beginning of class on the due date and must	Weekly	25%

be submitted in person. To get full credit, the homework must be completed on engineering computation paper and turned in on time. Additionally, all work in the solution process (including units) shall be documented in a neat and logically arranged manner, clearly show the final answer with the correct units. <u>Late homework will not be graded</u> (if you only have part of it done, turn in what you have done on time). <u>Homework problem solving approach:</u> 1. Restate the problem and sketch the system 2. Identify the given information 3. Identify the governing equations and state assumptions 4. Solve for unknowns and calculate results 5. Discuss the results		
Quizzes A total of 8 quizzes will be given, typically at the beginning of class (note none will be given on exam weeks). Thus, it is important that you be in class and on time to complete the quiz. No makeup quizzes will be given except in the rare circumstances of pre-approved absences. However, the lowest quiz grade will be dropped in calculating the quiz portion of your final grade. Quiz material will cover previous lecture material, recent homework assignments and/or the text reading assignment for that day. All assignments, quizzes, and exams are considered to be comprehensive. That is, it will be likely that you will need to sufficiently know and understand previously covered material to adequately solve currently covered problems on quizzes or exams. No unauthorized help may be given or received on the quizzes.	See Canvas	15%
Regular Exams (2@ 15%, 1@10% each) Three regular exams will be given during the semester. Your lowest regular exam score will be worth 10% of your grade, while the other two regular exams will be worth 15%. All exams are comprehensive and will emphasize problem solving both qualitatively and quantitatively. Calculators may be used during the exams, however only NCEES approved calculators will be permitted during tests. This is to help you begin preparing for the FE exam. If you are caught using a non-approved calculator, your test will be collected and your grade will be a zero. The approved calculators include the following: • Hewlett Packard – HP 33s, HP 35s, and no other • Casio – All FX-115 models. Any Casio calculator must contain FX-115 in its model name. • Texas Instruments – All TI-30X and TI 36X models. Any TI calculator must contain either TI-30X or TI-36X in its model name.	See Schedule	40%

If you are unsure about your calculator, it is your responsibility to check with the instructor for approval. Exams will likely be closed book and no unauthorized help may be given or received on the exams.		
Final Exam The final exam will be comprehensive in nature including any new material covered after the third exam. <u>Exams may not be taken late without preapproval.</u>	See Finals Schedule on MyACU	20%

Calculation of Final Course Grade*

The grading scale will be as follows:

90% and above A

80% - 89% B

70% - 79% C

60% - 69% D

59% and below F

*Instructor reserves the right to decrease the lower bound of the grade cut-offs.

ADA Compliance Statement

"Abilene Christian University is dedicated to removing barriers and opening access for students with disabilities in compliance with ADA and Section 504 of the Rehabilitation Act. The Alpha Scholars Program facilitates disability accommodations in cooperation with instructors. In order to receive accommodations, you must be registered with Alpha Scholars Program, and you must complete a specific request for each class in which you need accommodations. If you have a documented disability and wish to discuss academic accommodations, please call our office directly at 325-674-2667."

Tentative Course Schedule

While every effort will be made to closely follow this schedule, there may be a need to deviate from it. The instructor reserves the right to alter this schedule to best achieve the objectives of the class.

Assignments may vary from that presented below, but will be similar in content, number, and frequency.

Week	Reading	TOPICS
1	Ch. 1	Introduction, Loads, Tributary Loads, Determinacy, Equilibrium of Beams and Frames
2	5.5, 3.3, 3.5	Analysis of 3-Hinged Arches, Trusses: Method of Joints, Trusses: Method of Sections
3	4.3,4.4,4.5	Shear and Moment Diagrams: Beams, Frames, Moment Diagrams by Parts
4	6.1 - 6.3, 6.5	Influence Lines and Critical Loading, Influence Lines on Trusses
5	8.4	Moment Area Method, Exam 1: Weeks 1-4
6	8.5	Moment Area and Conjugate Beam Method
7	9.3 - 9.5	Virtual Work Method: Beams, Trusses
8	9.6	Virtual Work Method: Construction and Temperature Reparamation,
9	9.7 - 9.9	Castigliano's Theorem
10	8.4	Indeterminate Structures: Moment Area Method, Exam 2: Weeks 5-9
11	8.5, 9.3-9.5	Indeterminate Structures: Conjugate Beam Method, Indeterminate Structures: Virtual Work Method
12	9.3 - 9.5, 9.7-9.9	Indeterminate Structures: Virtual Work Method, Castigliano's Theorem
13	7.1, 7.2,7.5	Approximate Method: Girders, Portal Method, Trusses
14	7.6	Approximate Method: Trusses, Canteliver
15	12.2	Moment Distribution Method: Beams, Exam 3: Weeks 10-14
16	12.4	Moment Distribution Method: Frames Without Sidesway
		Final Exam

October 22, 2018

Dr. Timothy Kennedy
OSC137D
Timothy.kennedy@acu.edu
325-674-2165

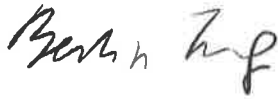
Re: Review of ENGR370

Dear Dr. Kennedy,

Thank you for submitting ENGR370 Structural Analysis. I have reviewed it based on the ACU Syllabus Guidelines and find the syllabus meeting all the requirements.

Please note that this letter is not meant to be a final approval in the course application process. Instead it is intended as a reference, which will be read by your department chair and members of the council, who may also have questions or comments of their own.

If you have any questions, please feel free to let me know. Please also let me know if we can be of any help in the design and facilitation of this course.

A handwritten signature in black ink, appearing to read "Bern H. Ziegler". The signature is fluid and cursive, with the first name "Bern" and last name "Ziegler" clearly distinguishable.

Director of Instructional Design
Adams Center

ABILENE CHRISTIAN UNIVERSITY

LIBRARY

M E M O R A N D U M

DATE: 20:25
TO: Dr. Tim Kennedy
FROM: Mark McCallon, Associate Dean for Library Services
RE: New Course Proposal, ENGR 370 – Structural Analysis

The library has examined the course application and syllabus and is able to support the proposed course. Please contact Erica Pye (exp10a@acu.edu) , Librarian Liaison to the Department of Engineering and Physics, if additional library resources are needed for the course. Thank you for letting us review the course proposal.