

**PRAIRIE VIEW A&M UNIVERSITY
ROY G. PERRY COLLEGE OF ENGINEERING**

CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011

FALL 2020

I. COURSE DESCRIPTION IN ABET FORMAT

II. ASSESSMENT RESULTS FOR CURRENT AND PAST THREE PERIODS

None

III. TESTS

Summary of Topics covered by Test

Original Test Questions & Master Solution/grading scheme used

(Summary of topics can be a separate page or include on the assignment itself)

Above Average (Graded original work)

Average (Graded original work)

Below Average (Graded original work)

IV. HOMEWORK ASSIGNMENTS

Summary of Topics covered by Homework

Original Homework Questions & Master Solution/grading scheme used

Above Average (Graded original work)

Average (Graded original work)

Below Average (Graded original work)

V. PROJECT

Summary of Topics Covered by Project

Project Problem Statement and Grading Scheme

Above Average (Graded original work)

Average (Graded original work)

Below Average (Graded original work)

Course Description in ABET Format

Please use the following format for the course syllabi (2 pages maximum in Times New Roman 12 point font)

1. Course number and name:	CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011: Intro to Engineering, Computer Science and Technology
2. Credits and contact hours:	1 credit hour; 1 contact hour per week Subject Areas: Studying Engineering, Learning Styles, and Ethics
3. Instructor's or course Coordinators' names:	Kelvin Kirby, Judy Perkins, Rambod Rayegan, Ravi Iyengar, Shenna Reeves
4. Text book: Title:	Studying Engineering: A Roadmap to a Rewarding Career
Authors:	Raymond Landis, Steffen Peuker and Jennifer Mott
Publisher, Year & Edition:	Discovery Press, 2018, 5 th Edition
a. Other Supplemental Material	Handout: National Society of Professional Engineers: Code of Ethics for Engineers Index of Learning Styles Questionnaire: Richard Felder and Barbara Soloman, North Carolina State University
5. Specific course information	
a. Brief description of the content of the course (catalog description)	XXXX 1011: Introduction to basic engineering, computer science and technology concepts. Students will become aware of the various disciplines of engineering, computer science and technology, ethical and professional responsibilities in these fields, creativity and design.
b. Prerequisites or Co-requisites	Co-requisite: XXXX 1021, <u>GNEG 1100</u> .
c. ** Indicate whether a required, elective, or selected elective (as per definition provided) course in the program	Required course for program.

6.	a. Specific goals for the course specific outcomes of instruction (e.g. The student will be able to explain the significance of current research about a particular topic.) <i>Students will be able to :</i>	b. Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course. <i>The specific goals for the course specific outcomes listed on the left column will address the following student learning outcomes:</i>
	1. This course focuses on familiarizing incoming Roy G. Perry College of Engineering students to engineering as a discipline in general.	There are no ABET Student Outcomes assigned for this course.
	2. This course will develop the student's knowledge base to prepare them for studying engineering and becoming successful engineers, computer scientists or technologists in their chosen professions.	
	3. Students will develop an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions.	
	4. Students will complete the Learning Styles exercise / questionnaire and develop strategies to become a better learners.	
7	Brief list of topics to be covered	The Engineering Profession and Departments (2 hours) Keys to Success in Engineering Study (2 hours) Personal Growth and Student Development (2 hours) Understanding the Teaching / Learning Process (2 hour) And Learning Styles Making the Most of How You are Taught (2 hour) Ethics in Engineering (3 hours) Making the Learning Process Work for You (2 hours) And Design Project: "Becoming a World Class Engineering Student"

* For all Engineering programs, indicate subject area from the following: **Math, Basic science, Engineering topic or Other**

** **Required** courses are required of all students in the program, **elective** courses (often referred to as open or free electives) are optional for students, and **selected elective** courses are those for which students must take one or more courses from a specified group

Please hide all of the row and column lines when done.

Intro to Engineering, Computer Science and Technology

FALL 2020

Title of Assignment: Exam 1

TOPICS COVERED IN TEST 1

Test 1 covered the following topics: Chapter 1 and Chapter 6

1. Keys to Success in Studying Engineering
2. Goal Setting
3. Strengthening Your Commitment
4. Course Loads
5. Personal Growth and Development
6. Behavior Modification
7. Maslow's Hierarchy of Needs
8. Myers-Briggs Type Indicator
9. Power of Positive Thinking
10. Growth Mindset

Intro to Engineering, Computer Science and Technology

FALL 2020

TEST QUESTIONS Exam I

Prologue

Studying Engineering, Fifth Edition

Select the letter that best answers each question

1. In the Prologue of *Studying Engineering*, the authors announce two primary objectives of the prologue. One is to convince you of the potential of the book to make a difference in your life. The second is to:
 - a) Give you an in-depth understanding of the engineering profession
 - b) Persuade you that engineering is the right major for you
 - c) Guide you on how to realize that potential
 - d) Help you survive the first year of your engineering education
 - e) Teach you the skills you will need to succeed in your engineering education
2. The Prologue also focuses on most students' need to change. Change what?
 - a) Your learning process
 - b) The allocation of your time
 - c) Your educational expectations
 - d) Your attitudes and behaviors
 - e) Your interpersonal skills
3. To maximize the potential of *Studying Engineering*, the authors endorse an approach to critical reading in which you take a portion of the text (a chapter, a section, a paragraph, or even a sentence) and then develop answers. Which is not a question you should answer:
 - a) What are the key ideas contained in what you read?
 - b) What does the passage mean to you?
 - c) What questions would you want to ask the authors or your instructor based on the passage?
 - d) What changes, if any, are you willing to commit to making based on passage you read?
 - e) What is the word count of the passage?

Select the letter that best answers each question – Chapter 1

1. When deans (and professors) tell first-year engineering students, "Look to your right, look to your left. Two of the three of you won't be here at graduation," they are trying to:
 - a) Make students feel better about being there
 - b) Motivate students to succeed by scaring them
 - c) Develop a competitive spirit among students

- d) Help students get to know one another
 - e) Let students know they believe in them
2. Educational researcher Vincent Tinto gives the top reason students do not succeed in college as:
- a) Inadequate financial resources
 - b) Distractions from family and friends
 - c) Poor study skills
 - d) Lack of a clear educational and/or career goal
 - e) Poor high school preparation
3. The American Heritage Dictionary defines “success” as:
- a) Being able to control the most important aspects of your life
 - b) Finding happiness
 - c) Becoming financially independent
 - d) Accomplishing something you plan, desire, or attempt
 - e) Achieving power and fame
4. What is the INCORRECT statement regarding settings goals:
- a) Gives you something to strive for
 - b) Gives you something to compare your performance against
 - c) Gives your life direction
 - d) Can be motivational
 - e) Is not recommended if your GPA is above 3.0
5. One of the keys to success in engineering study is a “growth” mindset. All of the characteristics below illustrate a growth mindset except:
- a) Turning failure into an opportunity to learn
 - b) Viewing excessive effort as an indicator of low ability
 - c) Seeking feedback and learning from criticism
 - d) Finding inspiration in the success of others
 - e) Embracing challenges
6. Astronaut Franklin Chang-Diaz
- a) Was born in the United States
 - b) Does not have an engineering degree
 - c) Received his Ph.D. degree from MIT
 - d) Did not fly any space missions
 - e) Had very rich parents
7. “Determination” means
- a) Not giving up
 - b) Working hard
 - c) Working smart
 - d) Working long hours
 - e) Seek success

8. Which is the least important key to success in engineering study?
- a) Effort
 - b) Talent
 - c) Attitude
 - d) Pre-college preparation
 - e) Approach
9. What is the correct equation relating achievement, effort, and talent?
- a) $\text{Talent} \times \text{Effort} = \text{Achievement}$
 - b) $\text{Talent} \times (\text{Effort})^2 = \text{Achievement}$
 - c) $(\text{Talent})^2 \times (\text{Effort})^2 = \text{Achievement}$
 - d) $(\text{Talent})^2 \times \text{Effort} = \text{Achievement}$
 - e) $\text{Talent} \times \text{Effort} = (\text{Achievement})^2$
10. If you are not doing well in your academic work, the first question you should ask is:
- a. Have you chosen the right teachers?
 - b. Do you have adequate ability?
 - c. Are you proficient in note taking?
 - d. Are you putting in sufficient time and effort?
 - e. Do you suffer from test anxiety?
11. Becoming a “master” student can be likened to mastering a game of skill like chess because:
- a) If you play chess, you must be smart
 - b) In both cases you need to develop considerable time to learning them
 - c) Mastering a game of skill like chess requires you to interact with other people
 - d) Chess will help you become good at visualizing things in three dimensions
 - e) Both enhance your intellectual development in similar ways
12. Setting goals for yourself and changing negative attitudes and non-productive behaviors are parts of:
- a) The Employment Model
 - b) ABET’s attributes of engineering graduates
 - c) The ways to become a “master” engineering student
 - d) What it means to “work smart”
 - e) The “success process”
13. Which question is NOT one you should ask yourself when you want to assess the quality of your education:
- a) Do I have the ability to meet the demands of my education?
 - b) What should I know when I graduate?
 - c) What is the purpose of my education?
 - d) How do I know if I am getting a quality education?
 - e) How can I enhance the quality of my education?

14. When potential employers evaluate engineering graduates, their top attribute is:
- a) Has a high grade point average
 - b) Communicates effectively
 - c) Demonstrates an understanding of information technology
 - d) Demonstrates an understanding of engineering, science, and mathematics fundamentals
 - e) Has previous engineering-related work experience
15. Among Alexander Astin's five measures of "student involvement" is:
- a) Joining social fraternities or sororities
 - b) Participation in the intramural sports program
 - c) Frequent interaction with faculty
 - d) Acceptance into the campus work/study program
 - e) Studying in the library
16. If you have an outside job working 20 hours/week, the maximum recommended course load is:
- a) Full load
 - b) 12 units
 - c) 8 units
 - d) 4 units
 - e) 2-6 units

Select the letter that best answers each question – Chapter 6

1. "Productive actions" are those that:
- a) Move us closer to our goal
 - b) Reflect hard work
 - c) Tend not to be enjoyable
 - d) Are often the surprising result of negative thoughts
 - e) Generally come naturally
2. The basic premise of "behavior modification" is:
- a) People can change only if they get counseling to learn how to change
 - b) If we don't like the feelings we are having, we can just change them
 - c) We choose our behaviors
 - d) We have little control over our actions
 - e) We need to be motivated if we want to change our behaviors
3. The "Freshman Engineering Student Attitudes Survey" is an instrument that measures your attitudes in 70 areas related to engineering study. The survey is valuable in that:
- a) It provides a portrait of your attitudinal strengths and weaknesses
 - b) It identifies negative attitudes, which you can then work to change
 - c) It compares your attitudes with those of other first-year engineering students
 - d) It is available to take for free on-line
 - e) It helps you determine if engineering is the right major for you

4. Which of the following statements best captures the relationship of lifelong learning to engineering students?
- a) Lifelong learning is valuable and inevitable, but it need not impinge on engineering study and practice
 - b) Embracing lifelong learning is the signature mark of an educated person, particularly professional engineers
 - c) Lifelong learning delves into the humanities and liberal arts, important areas in one's education that are unfortunately downplayed in engineering programs
 - d) Lifelong learning is a significant component of a career in engineering, underscored by the fact that it is one of ABET's required attributes of engineering graduates
 - e) Lifelong learning is important, but best reserved for people who have already achieved their career and income goals
5. According to Albert E. N. Gray, "The Common Denominator of Success" is:
- a) Working hard
 - b) Getting along well with people
 - c) Forming the habit of doing things failures don't like to do
 - d) Being satisfied by pleasing methods rather than by pleasing results
 - e) Getting a top-notch education
6. Which of the following is at the top of Abraham Maslow's "Hierarchy of Needs"?
- a) Liberty
 - b) Self-understanding
 - c) Self-actualization
 - d) Happiness
 - e) Accomplishment
7. Self-actualization means:
- a) Becoming what you are most suited for
 - b) Realizing your self-esteem
 - c) Meeting your social needs
 - d) Living a life free from fear
 - e) Being your own person
8. Self-efficacy is:
- a) Your sense of worth
 - b) Your sense of competence
 - c) Your motivation to excel
 - d) Your productivity
 - e) Your level of intellect
9. According to Nathaniel Branden, healthy self-esteem correlates with:
- a) Inappropriate conformity
 - b) Rigidity
 - c) Rebelliousness
 - d) Willingness to admit mistakes
 - e) Defensiveness

10. What does the MBTI identify?
- a) Ability to succeed in math/science/engineering majors
 - b) Learning styles
 - c) Personality types
 - d) Career preferences
 - e) Cultural differences
11. Which statement is NOT an example of "stereotyping"?
- a) Women on average live longer than men
 - b) Italians are good cooks
 - c) Engineers care only about things and not about people
 - d) Fat people are jolly
 - e) Asians are good at math
12. James Paul Gee defines a "Discourse" as:
- a) A kind of identity kit
 - b) A handbook for oral and written communications
 - c) A set of guidelines for differentiating languages, including computer languages
 - d) A rule-driven framework for understanding cross-cultural interactions
 - e) A dictionary of terms specific to one's profession
13. Which is one of the commitments you must make during your college years to become an effective communicator?
- a) Learning the mechanics and usage rules of English
 - b) Maintaining a positive attitude about improving your communication skills
 - c) Taking undergraduate courses in poetry and creative writing
 - d) Join the campus debate team
 - e) Read books on regular basis
14. To be an effective team leader, one must have:
- a) In-depth knowledge of the problem to be solved or objective to be accomplished
 - b) The ability to take charge and make decisions independently
 - c) Proficiency at being a team builder
 - d) The willingness to step down if the team is not achieving its objectives
 - e) The support and backing of superiors
15. Which of the following is NOT characteristic of an effective team member?
- a) Supports and helps the team leader to succeed
 - b) Subordinates self-interest on behalf of the team's interest
 - c) Respects differences and diversity in team members
 - d) Communicates openly and honestly
 - e) Tries to impose ideas and directives
16. In the long term, the following will help keep your stress low EXCEPT:
- a) Eating nutritionally
 - b) Regular exercise
 - c) Drinking alcohol to relax

- d) Relaxation
- e) Good time management

17. Finding the proper balance between work and play is important to an engineering student because:

- a) An imbalance often results in the failure to complete assignments on time
- b) Students who work too much can feel deprived and lose their motivation
- c) Engineering study comes more easily when a student strikes a "50/50" balance between work and play
- d) Engineering students generally prefer work over play
- e) Success in engineering practice requires a proper balance of work and play

18. "No Deposit, No Return" means:

- a) School costs lots of money
- b) You have to return your bottles to recover your deposit
- c) You will get out of school what you put in
- d) Once you flunk out of college, you will not be able to get back in
- e) All of the above

19. Jesse Jackson's "Push for Excellence" program teaches students to:

- a) Make all A's in your classes
- b) Learn how to win friends and influence people
- c) Always help others in your pursuit of an education
- d) Strive to do your personal best
- e) Make your family proud of you

20. One of the most significant positive aspects of being a college student is:

- a) It will be over before you know it
- b) It starts and stops
- c) It is your ticket to the upper echelons of society
- d) It requires sacrifice, which teaches you way more than your coursework
- e) It gives you the opportunity to learn from the best minds in the country

Exam I Statistics

Quiz Summary Statistics (Tuesday)

Average Score	High Score	Low Score	Standard Deviation
81%	100%	42%	13.1

55 Students in this Group

Quiz Summary Statistics (Wednesday)

Average Score	High Score	Low Score	Standard Deviation
81%	100%	3%	14.67

83 Students in this Group

Quiz Summary Statistics (Thursday)

Average Score	High Score	Low Score	Standard Deviation
77%	97%	39%	15.53

13 Students in this Group

ABOVE AVERAGE

Exam I

Score for this quiz: **87** out of 99
Submitted Oct 10 at 2:48pm
This attempt took 42 minutes.

Above Average Exam I

Question 1

/ 3 pts

The "Freshman Engineering Student Attitudes Survey" is an instrument that measures your attitudes in 70 areas related to engineering study. The survey is valuable in that:

- ☒ It provides a portrait of your attitudinal strengths and weaknesses
- ☐ It helps you determine if engineering is the right major for you
- ☐ It compares your attitudes with those of other first-year engineering students
- ☐ It is available to take for free on-line

Correct Answer

- ☐ It identifies negative attitudes, which you can then work to change

Question 2

/ 3 pts

Which is the least important key to success in engineering study?

- ☐ Effort
- ☐ Approach
- ☐ Pre-college preparation
- ☐ Talent
- ☐ Attitude

Question 3

/ 3 pts

Setting goals for yourself and changing negative attitudes and non-productive behaviors are parts of:

- ☐ ABET's attributes of engineering graduates
- ☐ What it means to "work smart"
- ☒ The "success process"
- ☐ The ways to become a "master" engineering student
- ☐ The Employment Model

Question 4

3

/ 3 pts

Finding the proper balance between work and play is important to an engineering student because:

- ☒ Students who work too much can feel deprived and lose their motivation
- ☐ Engineering study comes more easily when a student strikes a "50/50" balance between work and play
- ☐ An imbalance often results in the failure to complete assignments on t
- ☐ Success in engineering practice requires a proper balance of work and play
- ☐ Engineering students generally prefer work over play

Question 5

3

/ 3 pts

Becoming a "master" student can be likened to mastering a game of skill like chess because:

- ☐ Both enhance your intellectual development in similar ways
- ☐ Chess will help you become good at visualizing things in three dimensions
- ☐ If you play chess, you must be smart
- ☐ Mastering a game of skill like chess requires you to interact with other people
- ☒ In both cases you need to develop considerable time to learning them

Question 6

3

/ 3 pts

Which of the following statements best captures the relationship of lifelong learning to engineering students?

- ☐ Lifelong learning is important, but best reserved for people who have already achieved their career and income goals
- ☒ Lifelong learning is a significant component of a career in engineering, underscored by the fact that it is one of ABET's required attributes of engineering graduates
- ☐ Lifelong learning delves into the humanities and liberal arts, important areas in one's education that are unfortunately downplayed in engineering programs
- ☐ Lifelong learning is valuable and inevitable, but it need not impinge on engineering study and practice
- ☐ Embracing lifelong learning is the signature mark of an educated person, particularly professional engineers

Question 7

3

/ 3 pts

Jesse Jackson's "Push for Excellence" program teaches students to:

- ☐ Make all A's in your classes
- ☐ Always help others in your pursuit of an education
- ☐ Learn how to win friends and influence people
- ☒ Strive to do your personal best
- ☐ Make your family proud of you

Question 8

3

/ 3 pts

When deans (and professors) tell first-year engineering students, "Look to your right, look to your left. Two of the three of you won't be here at graduation," they are trying to:

- ☐ Help students get to know one another
- ☐ Develop a competitive spirit among students
- ☒ Motivate students to succeed by scaring them
- ☐ Make students feel better about being there
- ☐ Let students know they believe in them

Question 9

3

/ 3 pts

To maximize the potential of Studying Engineering, the authors endorse an approach to critical reading in which you take a portion of the text (a chapter, a section, a paragraph, or even a sentence) and then develop answers. Which is not a question you should answer:

- ☐ What are the key ideas contained in what you read?
- ☐ What does the passage mean to you?
- ☐ What changes, if any, are you willing to commit to making based on passage you read?
- ☒ What is the word count of the passage?
- ☐ What questions would you want to ask the authors or your instructor based on the passage?

Question 10

3

/ 3 pts

The basic premise of "behavior modification" is:

- ☐ If we don't like the feelings we are having, we can just change them
- ☐ We need to be motivated if we want to change our behaviors
- ☐ People can change only if they get counseling to learn how to change
- ☒ We choose our behaviors
- ☐ We have little control over our actions

Question 11

3

/ 3 pts

What does the MBTI identify?

- ☐ Learning styles
- ☒ Personality types
- ☐ Ability to succeed in math/science/engineering majors
- ☐ Career preferences
- ☐ Cultural differences

Question 12

3

/ 3 pts

Among Alexander Astin's five measures of "student involvement" is:

- ☐ Studying in the library
- ☒ Frequent interaction with faculty
- ☐ Acceptance into the campus work/study program
- ☐ Joining social fraternities or sororities
- ☐ Participation in the intramural sports program

Question 13

3

/ 3 pts

"No Deposit, No Return" means:

- ☐ You have to return your bottles to recover your deposit
- ☐ School costs lots of money
- ☒ You will get out of school what you put in
- ☐ Once you flunk out of college, you will not be able to get back in
- ☐ All of the answers

Question 14

3

/ 3 pts

Astronaut Franklin Chang-Diaz

- ☐ Does not have an engineering degree
- ☐ Did not fly any space missions
- ☐ Had very rich parents
- ☐ Was born in the United States
- ☒ Received his Ph.D. degree from MIT

Question 15

3

/ 3 pts

According to Nathaniel Branden, healthy self-esteem correlates with:

- ☐ Rigidity
- ☒ Willingness to admit mistakes
- ☐ Defensiveness
- ☐ Inappropriate conformity
- ☐ Rebelliousness

Question 16

3

/ 3 pts

Self-actualization means:

- ☐ Realizing your self-esteem
- ☐ Meeting your social needs
- ☐ Living a life free from fear
- ☒ Becoming what you are most suited for
- ☐ Being your own person

Question 17

3

/ 3 pts

One of the most significant positive aspects of being a college student is:

- ☒ It starts and stops
- ☐ It requires sacrifice, which teaches you way more than your coursework
- ☐ It will be over before you know it

- ☐ It gives you the opportunity to learn from the best minds in the country
- ☐ It is your ticket to the upper echelons of society

Question 18

/ 3 pts

Which is one of the commitments you must make during your college years to become an effective communicator?

- ☐ Taking undergraduate courses in poetry and creative writing
- ☒ Maintaining a positive attitude about improving your communication skills
- ☐ Learning the mechanics and usage rules of English
- ☐ Read books on regular basis
- ☐ Join the campus debate team

Question 19

/ 3 pts

One of the keys to success in engineering study is a "growth" mindset. All of the characteristics below illustrate a growth mindset except:

- ☐ Turning failure into an opportunity to learn
- ☒ Viewing excessive effort as an indicator of low ability
- ☐ Finding inspiration in the success of others
- ☐ Embracing challenges
- ☐ Seeking feedback and learning from criticism

Question 20

/ 3 pts

Self-efficacy is:

- ☐ Your sense of worth
- ☐ Your level of intellect
- ☐ Your productivity
- ☐ Your motivation to excel
- ☒ Your sense of competence

Question 21

/ 3 pts

In the Prologue of Studying Engineering, the authors announce two primary objectives of the prologue. One is to convince you of the potential of the book to make a difference in your life. The second is to:

- ☐ Persuade you that engineering is the right major for you
- ☒ Guide you on how to realize that potential
- ☐ Help you survive the first year of your engineering education
- ☐ Teach you the skills you will need to succeed in your engineering education
- ☐ Give you an in-depth understanding of the engineering profession

Question 22

0 / 3 pts

James Paul Gee defines a "Discourse" as:

- ☐ A handbook for oral and written communications
- ☒ A rule-driven framework for understanding cross-cultural interactions
- ☐ A set of guidelines for differentiating languages, including computer languages

Correct Answer

- ☐ A kind of identity kit
- ☐ A dictionary of terms specific to one's profession

Question 23

3 / 3 pts

Which statement is NOT an example of "stereotyping"?

- ☒ Women on average live longer than men
- ☐ Asians are good at math
- ☐ Fat people are jolly
- ☐ Engineers care only about things and not about people
- ☐ Italians are good cooks

Question 24

3 / 3 pts

"Productive actions" are those that:

- ☒ Move us closer to our goal
- ☐ Generally come naturally
- ☐ Tend not to be enjoyable
- ☐ Reflect hard work
- ☐ Are often the surprising result of negative thoughts

Question 25

3 / 3 pts

In the long term, the following will help keep your stress low EXCEPT:

- ☐ Eating nutritionally
- ☐ Regular exercise
- ☐ Good time management
- ☒ Drinking alcohol to relax
- ☐ Relaxation

Question 26

3

/ 3 pts

According to Albert E. N. Gray, "The Common Denominator of Success" is:

- ☐ Working hard
- ☐ Being satisfied by pleasing methods rather than by pleasing results
- ☒ Forming the habit of doing things failures don't like to do
- ☐ Getting a top-notch education
- ☐ Getting along well with people

Question 27

3

/ 3 pts

When potential employers evaluate engineering graduates, their top attribute is

- ☒ Communicates effectively
- ☐ Has previous engineering-related work experience
- ☐ Has a high grade point average
- ☐ Demonstrates an understanding of information technology
- ☐ Demonstrates an understanding of engineering, science, and mathematics fundamentals

Question 28

3

/ 3 pts

If you have an outside job working 20 hours/week, the maximum recommended course load is:

- ☐ Full load
- ☐ 2-6 units
- ☒ 12 units
- ☐ 8 units
- ☐ 4 units

Question 29

3

/ 3 pts

Educational researcher Vincent Tinto gives the top reason students do not succeed in college as:

- ☐ Distractions from family and friends
- ☐ Poor study skills
- ☐ Poor high school preparation
- ☐ Inadequate financial resources
- ☒ Lack of a clear educational and/or career goal

Question 30

0

/ 3 pts

What is the correct equation relating achievement, effort, and talent?

- ☒ Talent x Effort = Achievement

Correct Answer

- ☐ Talent x (Effort)² = Achievement
- ☐ (Talent)² x Effort = Achievement
- ☐ Talent x Effort = (Achievement)²
- ☐ (Talent)² x (Effort)² = Achievement

Question 31

0

/ 3 pts

To be an effective team leader, one must have:

- ☒ In-depth knowledge of the problem to be solved or objective to be accomplished
- ☐ The support and backing of superiors

Correct Answer

- ☐ Proficiency at being a team builder
- ☐ The ability to take charge and make decisions independently
- ☐ The willingness to step down if the team is not achieving its objectives

Question 32

3

/ 3 pts

Which of the following is at the top of Abraham Maslow's "Hierarchy of Needs"?

- ☐ Self-understandin
- ☒ Self-actualization
- ☐ Accomplishment

- ☐ Happiness
- ☐ Liberty

Question 33 3 of 3 pts

Which of the following is NOT characteristic of an effective team member?

- ☐ Communicates openly and honestly
- ☒ Tries to impose ideas and directives
- ☐ Respects differences and diversity in team members
- ☐ Subordinates self-interest on behalf of the team's interest
- ☐ Supports and helps the team leader to succeed

87 out of 99

Above Average Exam I

AVERAGE

Exam I

Score for this quiz: **81** out of 99
Submitted Oct 10 at 2:59pm
This attempt took 29 minutes.

Average Exam I

Question 1

3 / 3 pts

According to Albert E. N. Gray, "The Common Denominator of Success" is:

- ☐ Being satisfied by pleasing methods rather than by pleasing results
- ☐ Working hard
- ☐ Getting a top-notch education
- ☒ Forming the habit of doing things failures don't like to do
- ☐ Getting along well with people

Question 2

3 / 3 pts

Becoming a "master" student can be likened to mastering a game of skill like chess because:

- ☒ In both cases you need to develop considerable time to learning them
- ☐ Mastering a game of skill like chess requires you to interact with other people
- ☐ Both enhance your intellectual development in similar ways
- ☐ Chess will help you become good at visualizing things in three dimensions
- ☐ If you play chess, you must be smart

Question 3

3 / 3 pts

Which of the following is at the top of Abraham Maslow's "Hierarchy of Needs"?

- ☐ Happiness
- ☐ Accomplishment
- ☐ Liberty
- ☒ Self-actualization
- ☐ Self-understanding

Question 4

3 / 3 pts

The basic premise of "behavior modification" is:

- ☐ We have little control over our actions
- ☒ We choose our behaviors
- ☐ We need to be motivated if we want to change our behaviors
- ☐ People can change only if they get counseling to learn how to change
- ☐ If we don't like the feelings we are having, we can just change them

Question 5

/ 3 pts

Self-actualization means:

- ☐ Living a life free from fear
- ☐ Being your own person
- ☒ Becoming what you are most suited for
- ☐ Meeting your social needs
- ☐ Realizing your self-esteem

Question 6

/ 3 pts

Which statement is NOT an example of "stereotyping"?

- ☐ Asians are good at math
- ☐ Italians are good cooks
- ☒ Women on average live longer than men
- ☐ Engineers care only about things and not about people
- ☐ Fat people are jolly

Question 7

/ 3 pts

Which of the following is NOT characteristic of an effective team member?

- ☐ Respects differences and diversity in team members
- ☐ Supports and helps the team leader to succeed
- ☐ Subordinates self-interest on behalf of the team's interest
- ☐ Communicates openly and honestly
- ☒ Tries to impose ideas and directives

Question 8

/ 3 pts

Self-efficacy is:

- ☐ Your motivation to excel
- ☐ Your sense of worth
- ☐ Your productivity
- ☒ Your sense of competence
- ☐ Your level of intellect

Question 9

3

/ 3 pts

The "Freshman Engineering Student Attitudes Survey" is an instrument that measures your attitudes in 70 areas related to engineering study. The survey is valuable in that:

- ☒ It identifies negative attitudes, which you can then work to change
- ☐ It compares your attitudes with those of other first-year engineering students
- ☐ It provides a portrait of your attitudinal strengths and weaknesses
- ☐ It is available to take for free on-line
- ☐ It helps you determine if engineering is the right major for you

Question 10

3

/ 3 pts

Which is one of the commitments you must make during your college years to become an effective communicator?

- ☐ Join the campus debate team
- ☐ Taking undergraduate courses in poetry and creative writing
- ☒ Maintaining a positive attitude about improving your communication skills
- ☐ Learning the mechanics and usage rules of English
- ☐ Read books on regular basis

Question 11

3

/ 3 pts

If you have an outside job working 20 hours/week, the maximum recommended course load is:

- ☐ 2-6 units
- ☐ 8 units
- ☐ 4 units
- ☐ Full load
- ☒ 12 units

Question 12

0 / 3 pts

Setting goals for yourself and changing negative attitudes and non-productive behaviors are parts of:

- ☐ The Employment Model
- ☒ What it means to "work smart"
- ☐ The ways to become a "master" engineering student
- ☐ ABET's attributes of engineering graduates

Correct Answer

- ☐ The "success process"

Question 13

0 / 3 pts

To be an effective team leader, one must have:

- ☐ The willingness to step down if the team is not achieving its objectives
- ☐ In-depth knowledge of the problem to be solved or objective to be accomplished

Correct Answer

- ☐ Proficiency at being a team builder
- ☒ The ability to take charge and make decisions independently
- ☐ The support and backing of superiors

Question 14

3 / 3 pts

If you are not doing well in your academic work, the first question you should ask is:

- ☐ Have you chosen the right teachers?
- ☐ Do you suffer from test anxiety?
- ☐ Do you have adequate ability?
- ☐ Are you proficient in note taking?
- ☒ Are you putting in sufficient time and effort?

Question 15

3 / 3 pts

Jesse Jackson's "Push for Excellence" program teaches students to:

- ☐ Make all A's in your classes
- ☐ Always help others in your pursuit of an education
- ☐ Learn how to win friends and influence people
- ☐ Make your family proud of you

- ☒ Strive to do your personal best

Question 16

3 / 3 pts

One of the keys to success in engineering study is a "growth" mindset. All of the characteristics below illustrate a growth mindset except:

- ☐ Turning failure into an opportunity to learn
- ☐ Embracing challenges
- ☐ Finding inspiration in the success of others
- ☐ Seeking feedback and learning from criticism
- ☒ Viewing excessive effort as an indicator of low ability

Question 17

0 / 3 pts

In the long term, the following will help keep your stress low EXCEPT:

Correct Answer

- ☐ Drinking alcohol to relax
- ☐ Eating nutritionally
- ☒ Relaxation
- ☐ Good time management
- ☐ Regular exercise

Question 18

3 / 3 pts

What does the MBTI identify?

- ☐ Ability to succeed in math/science/engineering major
- ☐ Career preferences
- ☐ Cultural differences
- ☒ Personality Types
- ☐ Learning styles

Question 19

3 / 3 pts

Educational researcher Vincent Tinto gives the top reason students do not succeed in college as:

- ☒ Lack of a clear educational and/or career goal

- ☐ Poor study skills
- ☐ Distractions from family and friends
- ☐ Poor high school preparation
- ☐ Inadequate financial resources

Question 20

/ 3 pts

Astronaut Franklin Chang-Diaz

- ☐ Did not fly any space missions
- ☐ Had very rich parents
- ☒ Received his Ph.D. degree from MIT
- ☐ Does not have an engineering degree
- ☐ Was born in the United States

Question 21

/ 3 pts

One of the most significant positive aspects of being a college student is:

- ☐ It is your ticket to the upper echelons of society
- ☐ It will be over before you know it
- ☐ It requires sacrifice, which teaches you way more than your coursework
- ☒ It starts and stops
- ☐ It gives you the opportunity to learn from the best minds in the country

Question 22

/ 3 pts

Among Alexander Astin's five measures of "student involvement" is:

- ☐ Studying in the library
- ☐ Acceptance into the campus work/study program
- ☒ Frequent interaction with faculty
- ☐ Joining social fraternities or sororities
- ☐ Participation in the intramural sports program

Question 23

3

/ 3 pts

To maximize the potential of Studying Engineering, the authors endorse an approach to critical reading in which you take a portion of the text (a chapter, a section, a paragraph, or even a sentence) and then develop answers. Which is not a question you should answer:

- ☒ What is the word count of the passage?
- ☐ What questions would you want to ask the authors or your instructor based on the passage?
- ☐ What are the key ideas contained in what you read?
- ☐ What changes, if any, are you willing to commit to making based on passage you read?
- ☐ What does the passage mean to you?

Question 24

3

/ 3 pts

The American Heritage Dictionary defines "success" as:

- ☐ Being able to control the most important aspects of your life
- ☐ Becoming financially independent
- ☒ Accomplishing something you plan, desire, or attempt
- ☐ Finding happiness
- ☐ Achieving power and fame

Question 25

3

/ 3 pts

What is the INCORRECT statement regarding settings goals:

- ☐ Gives your life direction
- ☐ Gives you something to strive for
- ☒ Is not recommended if your GPA is above 3.0
- ☐ Can be motivational
- ☐ Gives you something to compare your performance against

Question 26

3

/ 3 pts

Which is the least important key to success in engineering study?

- ☐ Attitude

- ☐ Effort
- ☐ Approach
- ☒ Talent
- ☐ Pre-college preparation

Question 27

/ 3 pts

What is the correct equation relating achievement, effort, and talent?

- ☒ Talent x (Effort)² = Achievement
- ☐ (Talent)² x (Effort)² = Achievement
- ☐ (Talent)² x Effort = Achievement
- ☐ Talent x Effort = (Achievement)²
- ☐ Talent x Effort = Achievement

Question 28

/ 3 pts

In the Prologue of Studying Engineering, the authors announce two primary objectives of the prologue. One is to convince you of the potential of the book to make a difference in your life. The second is to:

- ☐ Give you an in-depth understanding of the engineering profession
- ☐ Persuade you that engineering is the right major for you
- ☐ Teach you the skills you will need to succeed in your engineering education
- ☐ Help you survive the first year of your engineering education
- ☒ Guide you on how to realize that potential

Question 29

/ 3 pts

According to Nathaniel Branden, healthy self-esteem correlates with:

- ☐ Inappropriate conformity
- ☒ Rigidity

Correct Answer

- ☐ Willingness to admit mistakes
- ☐ Rebelliousness
- ☐ Defensiveness

Question 30

3 / 3 pts

Which of the following statements best captures the relationship of lifelong learning to engineering students?

- ☐ Lifelong learning is important, but best reserved for people who have already achieved their career and income goals
- ☒ Embracing lifelong learning is the signature mark of an educated person, particularly professional engineers
- ☐ Lifelong learning is a significant component of a career in engineering, underscored by the fact that it is one of ABET's required attributes of engineering graduates
- ☐ Lifelong learning is valuable and inevitable, but it need not impinge on engineering study and practice
- ☐ Lifelong learning delves into the humanities and liberal arts, important areas in one's education that are unfortunately downplayed in engineering programs

Question 31

3 / 3 pts

When potential employers evaluate engineering graduates, their top attribute is:

- ☐ Demonstrates an understanding of information technology
- ☒ Communicates effectively
- ☐ Has previous engineering-related work experience
- ☐ Demonstrates an understanding of engineering, science, and mathematics fundamentals
- ☐ Has a high grade point average

Question 32

0 / 3 pts

"Determination" means

Correct Answer

- ☐ Not giving up
- ☐ Working long hours
- ☐ Seek success
- ☐ Working smart
- ☒ Working hard

Question 33

/ 3 pts

James Paul Gee defines a "Discourse" as:

- ☒ A handbook for oral and written communications
- ☐ A set of guidelines for differentiating languages, including computer languages
- ☐ A rule-driven framework for understanding cross-cultural interactions
- ☐ A dictionary of terms specific to one's profession

Correct Answer

- ☐ A kind of identity kit

Fudge Points:

You can manually adjust the score by adding positive or negative points to this box.

[Update Scores](#)

Final Score: 81 out of 99

Average Exam I

BELOW AVERAGE

Exam I

Score for this quiz: **42** out of 99
Submitted Oct 10 at 2:49pm
This attempt took 23 minutes.

Below Average Exam I

Question 1

/ 3 pts

According to Albert E. N. Gray, "The Common Denominator of Success" is:

- ☐ Getting a top-notch education
- ☒ Being satisfied by pleasing methods rather than by pleasing results
- ☐ Getting along well with people
- ☐ Working hard

Correct Answer

- ☐ Forming the habit of doing things failures don't like to do

Question 2

/ 3 pts

One of the keys to success in engineering study is a "growth" mindset. All of the characteristics below illustrate a growth mindset except:

- ☐ Turning failure into an opportunity to learn
- ☐ Embracing challenges
- ☐ Finding inspiration in the success of others
- ☒ Viewing excessive effort as an indicator of low ability
- ☐ Seeking feedback and learning from criticism

Question 3

/ 3 pts

Among Alexander Astin's five measures of "student involvement" is:

- ☐ Participation in the intramural sports program
- ☐ Studying in the library
- ☐ Joining social fraternities or sororities

Correct Answer

- ☐ Frequent interaction with faculty
- ☒ Acceptance into the campus work/study program

Question 4

/ 3 pts

In the Prologue of Studying Engineering, the authors announce two primary objectives of the prologue. One is to convince you of the potential of the book to make a difference in your life. The second is to:

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- ☐ Teach you the skills you will need to succeed in your engineering education
- ☐ Help you survive the first year of your engineering education
- ☐ Persuade you that engineering is the right major for you
- ☒ Guide you on how to realize that potential

Question 5

/ 3 pts

Jesse Jackson's "Push for Excellence" program teaches students to:

- ☐ Learn how to win friends and influence people
- ☒ Strive to do your personal best
- ☐ Always help others in your pursuit of an education
- ☐ Make all A's in your classes
- ☐ Make your family proud of you

Question 6

/ 3 pts

Which is the least important key to success in engineering study?

Correct Answer

- ☐ Talent
- ☒ Pre-college preparation
- ☐ Effort
- ☐ Attitude
- ☐ Approach

Question 7

/ 3 pts

Which is one of the commitments you must make during your college years to become an effective communicator?

- ☐ Learning the mechanics and usage rules of English
- ☐ Join the campus debate team
- ☒ Maintaining a positive attitude about improving your communication skills
- ☐ Read books on regular basis
- ☐ Taking undergraduate courses in poetry and creative writing

Question 8

3 / 3 pts

Self-actualization means:

- ☐ Being your own person
- ☐ Meeting your social needs
- ☐ Living a life free from fear
- ☒ Becoming what you are most suited for
- ☐ Realizing your self-esteem

Question 9

0 / 3 pts

One of the most significant positive aspects of being a college student is:

- ☐ It requires sacrifice, which teaches you way more than your coursework
- ☐ It will be over before you know it
- ☒ It is your ticket to the upper echelons of society

Correct Answer

- ☐ It starts and stops
- ☐ It gives you the opportunity to learn from the best minds in the country

Question 10

3 / 3 pts

Astronaut Franklin Chang-Diaz

- ☒ Received his Ph.D. degree from MIT
- ☐ Did not fly any space missions
- ☐ Does not have an engineering degree
- ☐ Had very rich parents
- ☐ Was born in the United States

Question 11

3 / 3 pts

Which question is NOT one you should ask yourself when you want to assess the quality of your education:

- ☐ What should I know when I graduate?
- ☐ How can I enhance the quality of my education?
- ☐ How do I know if I am getting a quality education?
- ☐ What is the purpose of my education?

- ☒ Do I have the ability to meet the demands of my education?

Question 12

3

/ 3 pts

According to Nathaniel Branden, healthy self-esteem correlates with:

- ☐ Rebelliousness
- ☐ Defensiveness
- ☐ Rigidity
- ☐ Inappropriate conformity
- ☒ Willingness to admit mistakes

Question 13

0

/ 3 pts

Which of the following is NOT characteristic of an effective team member?

- ☒ Subordinates self-interest on behalf of the team's interest
- ☐ Supports and helps the team leader to succeed
- ☐ Respects differences and diversity in team members
- ☐ Communicates openly and honestly

Correct Answer

☐

Tries to impose ideas and directives

Question 14

0

/ 3 pts

Self-efficacy is:

Correct Answer

- ☐ Your sense of competence
- ☐ Your level of intellect
- ☐ Your productivity
- ☐ Your sense of worth
- ☒ Your motivation to excel

Question 15

3

/ 3 pts

When deans (and professors) tell first-year engineering students, "Look to your right, look to your left. Two of the three of you won't be here at graduation," they are trying to:

- ☐ Develop a competitive spirit among students
- ☒ Motivate students to succeed by scaring them
- ☐ Let students know they believe in them
- ☐ Help students get to know one another
- ☐ Make students feel better about being there

Question 16

/ 3 pts

The Prologue also focuses on most students' need to change. Change what?

- ☒ The allocation of your time

Correct Answer

- ☐ Your attitudes and behaviors
- ☐ Your learning process
- ☐ Your interpersonal skills
- ☐ Your educational expectations

Question 17

/ 3 pts

What is the INCORRECT statement regarding settings goals:

- ☐ Can be motivational
- ☐ Gives your life direction
- ☐ Gives you something to compare your performance against
- ☐ Gives you something to strive for
- ☒ Is not recommended if your GPA is above 3.0

Question 18

/ 3 pts

What does the MBTI identify?

Correct Answer

- ☐ Personality types
- ☐ Ability to succeed in math/science/engineering majors
- ☒ Learning styles
- ☐ Cultural differences
- ☐ Career preferences

Question 19

0

/ 3 pts

Which of the following is at the top of Abraham Maslow's "Hierarchy of Needs"?

Correct Answer

- ☐ Self-actualization
- ☐ Accomplishment
- ☒ Self-understanding
- ☐ Happiness
- ☐ Liberty

Question 20

0

/ 3 pts

The "Freshman Engineering Student Attitudes Survey" is an instrument that measures your attitudes in 70 areas related to engineering study. The survey is valuable in that:

- ☐ It helps you determine if engineering is the right major for you

Correct Answer

- ☐ It identifies negative attitudes, which you can then work to change
- ☒ It compares your attitudes with those of other first-year engineering students
- ☐ It is available to take for free on-line
- ☐ It provides a portrait of your attitudinal strengths and weaknesses

Question 21

0

/ 3 pts

When potential employers evaluate engineering graduates, their top attribute is:

- ☐ Has previous engineering-related work experience

Correct Answer

- ☐ Communicates effectively
- ☐ Has a high grade point average
- ☒ Demonstrates an understanding of information technology
- ☐ Demonstrates an understanding of engineering, science, and mathematics fundamentals

Question 22

0

/ 3 pts

Which statement is NOT an example of "stereotyping"?

Correct Answer

- ☐ Women on average live longer than men
- ☐ Asians are good at math

- ☐ Engineers care only about things and not about people
- ☐ Italians are good cooks
- ☒ Fat people are jolly

Question 23

/ 3 pts

In the long term, the following will help keep your stress low EXCEPT:

- ☒ Drinking alcohol to relax
- ☐ Regular exercise
- ☐ Good time management
- ☐ Eating nutritionally
- ☐ Relaxation

Question 24

/ 3 pts

The American Heritage Dictionary defines "success" as:

- ☐ Finding happiness
- ☐ Becoming financially independent

Correct Answer

- ☐ Accomplishing something you plan, desire, or attempt
- ☒ Being able to control the most important aspects of your life
- ☐ Achieving power and fame

Question 25

/ 3 pts

Becoming a "master" student can be likened to mastering a game of skill like chess because:

- ☐ If you play chess, you must be smart
- ☒ Mastering a game of skill like chess requires you to interact with other people

Correct Answer

- ☐ In both cases you need to develop considerable time to learning them
- ☐ Chess will help you become good at visualizing things in three dimensions
- ☐ Both enhance your intellectual development in similar ways

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/ 3 pts

To be an effective team leader, one must have:

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- ☐ The support and backing of superiors

Correct Answer

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- ☐ The willingness to step down if the team is not achieving its objectives
- ☒ In-depth knowledge of the problem to be solved or objective to be accomplished

Question 27

/ 3 pts

Setting goals for yourself and changing negative attitudes and non-productive behaviors are parts of:

- ☒ ABET's attributes of engineering graduates

Correct Answer

- ☐ The "success process"
- ☐ What it means to "work smart"
- ☐ The ways to become a "master" engineering student
- ☐ The Employment Model

Question 28

/ 3 pts

If you are not doing well in your academic work, the first question you should ask is:

- ☐ Are you proficient in note taking?
- ☒ Are you putting in sufficient time and effort?
- ☐ Do you suffer from test anxiety?
- ☐ Do you have adequate ability?
- ☐ Have you chosen the right teachers?

Question 29

/ 3 pts

To maximize the potential of Studying Engineering, the authors endorse an approach to critical reading in which you take a portion of the text (a chapter, a section, a paragraph, or even a sentence) and then develop answers. Which is not a question you should answer:

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- ☒ What is the word count of the passage?

- ☐ What does the passage mean to you?
- ☐ What are the key ideas contained in what you read?

Question 30

/ 3 pts

Finding the proper balance between work and play is important to an engineering student because:

- ☐ Engineering study comes more easily when a student strikes a "50/50" balance between work and play
- ☐ Engineering students generally prefer work over play
- ☒ An imbalance often results in the failure to complete assignments on time

Correct Answer

- ☐ Students who work too much can feel deprived and lose their motivation
- ☐ Success in engineering practice requires a proper balance of work and play

Question 31

/ 3 pts

"Determination" means

- ☐ Seek success
- ☐ Working long hours
- ☐ Working smart
- ☐ Working hard
- ☒ Not giving up

Question 32

/ 3 pts

If you have an outside job working 20 hours/week, the maximum recommended course load is:

- ☐ 4 units
- ☐ 8 units
- ☐ 2-6 units
- ☒ Full load

Correct Answer

- ☐ 12 units

Question 33

0

/ 3 pts

The basic premise of "behavior modification" is:

- ☐ People can change only if they get counseling to learn how to change

Correct Answer

- ☐ We choose our behaviors
- ☐ If we don't like the feelings we are having, we can just change them
- ☒ We need to be motivated if we want to change our behaviors
- ☐ We have little control over our actions

Final Score: 42 out of 99

Below Average Exam I

Intro to Engineering, Computer Science, and Technology
CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011
FALL 2020

Title of Assignment: Exam II

TOPICS COVERED

Understanding the Teaching Learning Process
What is learning?
Metacognition
Learning Styles Questionnaire
Making the Most out of how you are taught
Preparing for lectures
Making effective use of your professors.
Utilizing tutors and other academic services

Exam II Fall 2020

Chapter 3

Studying Engineering, Fifth Edition

Select the letter that best answers each question

Which of the following statements best describes “cognitive learning”?

It entails the acquisition of new knowledge and intellectual skills

It refers to the development of one’s interpersonal and affective skills

It grew out of educators’ need to quantify the learning process

It distinguishes the kind of learning involved in engineering education

It is used to measure the differences between “preference” and “competence”

In Bloom’s Taxonomy, the highest level intellectual skill is:

Evaluating

Analyzing

Creating

Applying

Understanding

Within engineering education, all of the following are examples of psychomotor learning EXCEPT:

Sketching

Calculating

Computer keyboard skills

Machine tool operation

Certain laboratory skills

Sensing learners:

Focus on things that can be seen, heard, or touched

Prefer ideas, possibilities, theories, and abstractions

Ignore facts and data

Look for meanings and prefer variety

Dislike repetition

Two ways learners differ in the way they prefer to process new information are:

Active vs. reflective

Visual vs. verbal

Sensing vs. intuitive

Sequential vs. global

None of the above

Global learners:

Prefer linear steps, with each step following logically from the previous one

Tend to learn in large jumps, absorbing material almost randomly without seeing connections

Want to think things through before attempting to do anything themselves

Prefer to work alone

Perform best in small groups

If the way you prefer to learn differs from the way you are taught:

Drop the course

Pay more attention in class

Speak to the professor about your concern

Translate what you were taught into the way you prefer to learn

Change your major to Business Administration

Metacognition is:

Knowledge about knowledge

Taking advantage of opportunities to reinforce learning

The process of improving your learning by observing it and making changes based on what you observe

Knowledge about the objectives and purposes of your educational program

Understanding the connection between study skills and academic success

Which of the following is characteristic of “expert” learners?

They know how to teach themselves

They tend to attribute successes to natural ability

They pay keen attention to their professors’ teaching methods

They plan their approach to learning

They memorize all lecture material

As a result of the decline in memory retention, how much of what you first studied will you forget after 24 hours?

25%

40%

60%

75%

90%

In contrast with high school, at the college level:

Classes are faster paced

More learning takes place in small groups

Class sizes are smaller

Teaching methods are better

All of these answers

An overarching mistake made by many engineering students is to:

Cut classes

Delay studying until a test is announced

Assume engineering study will be like high school

Come to each lecture unprepared

Spend little time on campus

“If I have seen a little further, it is by standing on the shoulders of Giants” is a famous quote by:

John Dewey
Albert Einstein
Yogi Berra
Isaac Newton
Werner Von Braun

What resource Khan Academy provides can be of help to first-year engineering students?

Information on college admission
Lessons on study skills
Motivational lectures
Short videos on math and science
Financial assistance

Chapter 4

Studying Engineering, Fifth Edition

Select the letter that best answers each question

A course syllabus typically does NOT include the following:

Instructor information
Course description
Basis for grading
Textbook and other reference materials
Names of all students in the course

Preparing for your lectures is a powerful and effective strategy for success because:

You can be distracted during the lecture
It won't be necessary for you to take copious notes
You need to invest a larger amount of time to yield a big payoff
If you have to miss class, it won't matter as much
You'll learn more from the lecture

"Be here now" means:

Attending your classes
Keeping your attention focused during class
Developing good listening skills
Showing up to your professor's office hours
Doing well on this exam

Which of the following is characteristic of a good listener?

Focusing on emotionally charged words or ideas
Tuning out uninteresting or boring topics
Welcoming difficult material as exercise for the mind
Listening for facts and details
Can multitask while listening

A good listener:

- Listens for facts and details
- Readily reacts with opposing views to new ideas
- Is bothered by distractions
- Judges the value of content rather than the delivery
- Can talk to other students while listening

Which of the following statements is NOT true about taking notes on a computer?

- Notes will be legible
- Notes will be searchable
- Information from other electronic sources can be added easily into the notes
- Notes can be kept in one place to improve organization
- Note-taking will be simplified in courses with a lot of equations

The Cornell Note-Taking System:

- Requires a spiral notebook
- Helps you write down things you expect to encounter on the exam
- Is compatible with computerized note-taking strategies
- Restricts the note-taking area to 6" x 9"
- Saves paper

If your professor uses PowerPoint presentations in lectures, you should:

- Do your best to capture the main ideas
- Take comprehensive notes
- Ask the professor to email you a copy of the presentation
- Use your cell phone to photograph key slides
- Team up with a fellow students to divide note-taking responsibilities

The reason students give for not asking questions in class is:

- I was afraid I would look stupid
- I don't want to bring attention to myself
- I was too confused to know what to ask
- I didn't want to take time away from the instructor or other students
- All of the above

The importance of asking questions:

- Has been downplayed in recent years as an effective learning strategy
- Has gained momentum since the dawn of the Information Age
- Was articulated over 2,500 years ago by the Greek philosopher Socrates
- Has more relevance to engineering practice than to engineering study
- Is revealed in high-level analytical thinking

Divergent thinking questions:

- Deal with matters of judgment, value, and choice
- Put information together in a different way
- Represent the analysis and integration of given or remembered information
- Exhibit memory of previously learned material
- Have little relevance in engineering study

The question, "In what ways does the Linux operating system differ from Windows operating system?," is an example of:

- Memory-level questions
- Convergent thinking questions
- Divergent thinking questions
- Evaluation questions
- None of the above

Your professors can do all of the following for you EXCEPT:

- Help you find a summer job in industry
- Hire you on their research grants
- Provide you one-on-one instruction
- Nominate you for a scholarship
- Increase your GPA

The classic book *How to Win Friends and Influence People* was authored by:

- Dale Carnegie
- Norman Vincent Peale
- Tony Robbins
- Carl Jung
- Joe Jacobs

Among Dale Carnegie's "Six Ways to Make People Like You" is:

- Encourage others to talk about themselves
- Tell people about yourself
- Impress people with your knowledge
- Pretend that you like the other person
- Make sure they know your first and last names

Complaining that exams are too hard conflicts with a professor's view that:

- Their technical specialty is interesting and important
- They are a good teacher
- They have a big intellect
- They love to convey what they know to others
- Their industrial experience is valuable

A good protocol for emailing your professors would be to:

- Compose lengthy messages to show your mastery of written communications
- Write from your non-university email account to save the university money
- Send emails frequently to demonstrate your interest in the course
- Make sure they welcome emails from students
- Adopt a casual, informal tone, worrying more about the content of the message than grammar and spelling

A common teaching mode in engineering education is large lectures accompanied by small recitations. The main purpose of the recitations is to:

Compel students to memorize lecture material so they can “recite” the information back to their group

Give students the opportunity to learn from upper-level and graduate students

Cover topics not addressed in lectures due to time constraints

Teach students the benefits of small, interactive group study

Amplify and reinforce the main concepts from lectures and work problems

Which is NOT an academic resource for first-year engineering students?

Registrar’s office

Academic advising

Student chapters of professional organizations

College/university catalog

University library

Exam II Statistics

Quiz Summary Exam II (Tuesday)

Average Score	High Score	Low Score	Standard Deviation
78%	94%	24%	11.1

69 Students in this group

Quiz Summary Exam II (Wednesday)

Average Score	High Score	Low Score	Standard Deviation
78%	97%	24%	12.89

96 Students in this group

Quiz Summary Exam II (Thursday)

Average Score	High Score	Low Score	Standard Deviation
75%	91%	42%	15.91

15 Students in this group

ABOVE AVERAGE

Exam II

Score for this quiz: **96** out of 99
Submitted Oct 21 at 2:36pm
This attempt took 31 minutes.

Exam II Above Average

Question 1

3 / 3 pts

If the way you prefer to learn differs from the way you are taught:

- ☒ Translate what you were taught into the way you prefer to learn
- ☐ Change your major to Business Administration
- ☐ Drop the course
- ☐ Speak to the professor about your concern
- ☐ Pay more attention in class

Question 2

3 / 3 pts

If your professor uses PowerPoint presentations in lectures, you should:

- ☐ Ask the professor to email you a copy of the presentation
- ☐ Use your cell phone to photograph key slides
- ☒ Do your best to capture the main ideas
- ☐ Take comprehensive notes
- ☐ Team up with a fellow students to divide note-taking responsibilities

Question 3

3 / 3 pts

A good listener:

- ☐ Listens for facts and details
- ☐ Readily reacts with opposing views to new ideas
- ☐ Can talk to other students while listening
- ☐ Is bothered by distractions
- ☒ Judges the value of content rather than the delivery

Question 4

3 / 3 pts

Global learners:

- ☐ Prefer linear steps, with each step following logically from the previous one
- ☐ Perform best in small groups
- ☐ Want to think things through before attempting to do anything themselves

- ☒ Tend to learn in large jumps, absorbing material almost randomly without seeing connections
- ☐ Prefer to work alone

Question 5

3 / 3 pts

As a result of the decline in memory retention, how much of what you first studied will you forget after 24 hours?

- ☐ 90%
- ☐ 25%
- ☐ 75%
- ☒ 60%
- ☐ 40%

Question 6

3 / 3 pts

A good protocol for emailing your professors would be to:

- ☒ Make sure they welcome emails from students
- ☐ Write from your non-university email account to save the university money
- ☐ Compose lengthy messages to show your mastery of written communications
- ☐ Send emails frequently to demonstrate your interest in the course
- ☐ Adopt a casual, informal tone, worrying more about the content of the message than grammar and spelling

Question 7

3 / 3 pts

The reason students give for not asking questions in class is:

- ☒ All are correct
- ☐ I was afraid I would look stupid
- ☐ I didn't want to take time away from the instructor or other students
- ☐ I was too confused to know what to ask
- ☐ I don't want to bring attention to myself

Question 8

3 / 3 pts

The Cornell Note-Taking System:

- ☐ Requires a spiral notebook

- ☐ Is compatible with computerized note-taking strategies
- ☐ Helps you write down things you expect to encounter on the exam
- ☒ Restricts the note-taking area to 6" x 9"
- ☐ Saves paper

Question 9

/ 3 pts

Divergent thinking questions:

- ☐ Have little relevance in engineering study
- ☐ Exhibit memory of previously learned material
- ☐ Represent the analysis and integration of given or remembered information
- ☐ Deal with matters of judgment, value, and choice
- ☒ Put information together in a different way

Question 10

/ 3 pts

Two ways learners differ in the way they prefer to process new information are:

- ☒ Active vs. reflective
- ☐ None of the above
- ☐ Visual vs. verbal
- ☐ Sequential vs. global
- ☐ Sensing vs. intuitive

Question 11

/ 3 pts

Complaining that exams are too hard conflicts with a professor's view that:

- ☐ Their technical specialty is interesting and important
- ☐ They have a big intellect
- ☒ They are a good teacher
- ☐ Their industrial experience is valuable
- ☐ They love to convey what they know to others

Question 12

/ 3 pts

In contrast with high school, at the college level:

- ☐ All of these answers

Correct Answer

- ☐ Classes are faster paced
- ☒ More learning takes place in small groups
- ☐ Teaching methods are better
- ☐ Class sizes are smaller

Question 13

3 / 3 pts

Metacognition is:

- ☐ Knowledge about the objectives and purposes of your educational program
- ☐ Understanding the connection between study skills and academic success
- ☐ Taking advantage of opportunities to reinforce learning
- ☒ The process of improving your learning by observing it and making changes based on what you observe
- ☐ Knowledge about knowledge

Question 14

3 / 3 pts

"If I have seen a little further, it is by standing on the shoulders of Giants" is a famous quote by:

- ☐ Werner Von Braun
- ☐ Yogi Berra
- ☒ Isaac Newton
- ☐ John Dewey
- ☐ Albert Einstein

Question 15

3 / 3 pts

Which of the following is characteristic of a good listener?

- ☐ Can multitask while listening
- ☐ Tuning out uninteresting or boring topics
- ☒ Welcoming difficult material as exercise for the mind
- ☐ Listening for facts and details
- ☐ Focusing on emotionally charged words or ideas

Question 16

3 / 3 pts

Your professors can do all of the following for you EXCEPT:

- ☒ Increase your GPA
- ☐ Nominate you for a scholarship
- ☐ Provide you one-on-one instruction
- ☐ Help you find a summer job in industry
- ☐ Hire you on their research grants

Question 17

3

/ 3 pts

In Bloom's Taxonomy, the highest level intellectual skill is:

- ☐ Evaluating
- ☐ Understanding
- ☒ Creating
- ☐ Applying
- ☐ Analyzing

Question 18

3

/ 3 pts

Which is NOT an academic resource for first-year engineering students?

- ☐ Academic advising
- ☐ Registrar's office
- ☒ Student chapters of professional organizations
- ☐ College/university catalog
- ☐ University library

Question 19

3

/ 3 pts

The question, "In what ways does the Linux operating system differ from Windows operating system?," is an example of:

- ☐ Evaluation questions
- ☒ Convergent thinking questions
- ☐ Divergent thinking questions
- ☐ None is correct
- ☐ Memory-level questions

Question 20

3

/ 3 pts

Which of the following statements is NOT true about taking notes on a computer?

- ☐ Notes will be legible
- ☐ Information from other electronic sources can be added easily into the notes
- ☒ Note-taking will be simplified in courses with a lot of equations
- ☐ Notes can be kept in one place to improve organization
- ☐ Notes will be searchable

Question 21

3

/ 3 pts

A common teaching mode in engineering education is large lectures accompanied by small recitations. The main purpose of the recitations is to:

- ☐ Give students the opportunity to learn from upper-level and graduate students
- ☐ Teach students the benefits of small, interactive group study
- ☒ Amplify and reinforce the main concepts from lectures and work problems
- ☐ Compel students to memorize lecture material so they can "recite" the information back to their group
- ☐ Cover topics not addressed in lectures due to time constraints

Question 22

3

/ 3 pts

Within engineering education, all of the following are examples of psychomotor learning EXCEPT:

- ☐ Certain laboratory skills
- ☐ Sketching
- ☐ Computer keyboard skills
- ☒ Calculating
- ☐ Machine tool operation

Question 23

3

/ 3 pts

"Be here now" means:

- ☐ Attending your classes
- ☐ Developing good listening skills
- ☐ Showing up to your professor's office hours

- ☐ Doing well on this exam
- ☒ Keeping your attention focused during class

Question 24

3 / 3 pts

Among Dale Carnegie's "Six Ways to Make People Like You" is:

- ☐ Make sure they know your first and last names
- ☐ Impress people with your knowledge
- ☒ Encourage others to talk about themselves
- ☐ Pretend that you like the other person
- ☐ Tell people about yourself

Question 25

3 / 3 pts

An overarching mistake made by many engineering students is to:

- ☐ Cut classes
- ☐ Delay studying until a test is announced
- ☐ Spend little time on campus
- ☐ Come to each lecture unprepared
- ☒ Assume engineering study will be like high school

Question 26

3 / 3 pts

The importance of asking questions:

- ☐ Has more relevance to engineering practice than to engineering study
- ☐ Has gained momentum since the dawn of the Information Age
- ☒ Was articulated over 2,500 years ago by the Greek philosopher Socrates
- ☐ Is revealed in high-level analytical thinking
- ☐ Has been downplayed in recent years as an effective learning strategy

Question 27

3 / 3 pts

Sensing learners:

- ☐ Ignore facts and data
- ☒ Focus on things that can be seen, heard, or touched
- ☐ Dislike repetition

- ☐ Prefer ideas, possibilities, theories, and abstractions
- ☐ Look for meanings and prefer variety

Question 28

3 / 3 pts

The classic book How to Win Friends and Influence People was authored by:

- ☐ Tony Robbins
- ☐ Joe Jacobs
- ☐ Carl Jung
- ☐ Norman Vincent Peale
- ☒ Dale Carnegie

Question 29

3 / 3 pts

Which of the following statements best describes "cognitive learning"?

- ☐ It distinguishes the kind of learning involved in engineering education
- ☐ It is used to measure the differences between "preference" and "competence"
- ☐ It grew out of educators' need to quantify the learning process
- ☒ It entails the acquisition of new knowledge and intellectual skills
- ☐ It refers to the development of one's interpersonal and affective skills

Question 30

3 / 3 pts

A course syllabus typically does NOT include the following:

- ☒ Names of all students in the course
- ☐ Instructor information
- ☐ Textbook and other reference materials
- ☐ Course description
- ☐ Basis for grading

Question 31

3 / 3 pts

Preparing for your lectures is a powerful and effective strategy for success because:

- ☐ It won't be necessary for you to take copious notes
- ☒ You'll learn more from the lecture
- ☐ If you have to miss class, it won't matter as much

- ☐ You can be distracted during the lecture
- ☐ You need to invest a larger amount of time to yield a big payoff

Question 32

3 / 3 pts

What resource Khan Academy provides can be of help to first-year engineering students?

- ☐ Motivational lectures
- ☐ Lessons on study skills
- ☐ Information on college admission
- ☒ Short videos on math and science
- ☐ Financial assistance

Question 33

3 / 3 pts

Which of the following is characteristic of "expert" learners?

- ☒ They plan their approach to learning
- ☐ They pay keen attention to their professors' teaching methods
- ☐ They memorize all lecture material
- ☐ They tend to attribute successes to natural ability
- ☐ They know how to teach themselves

Final Score: 96 out of 99

Above Average Exam II

AVERAGE

Exam II

Score for this quiz: **78** out of 99
Submitted Oct 20 at 2:51pm
This attempt took 29 minutes.

Exam II Average

Question 1

/ 3 pts

A course syllabus typically does NOT include the following:

- ☐ Basis for grading
- ☐ Course description
- ☐ Instructor information
- ☐ Textbook and other reference materials
- ☒ Names of all students in the course

Question 2

/ 3 pts

Among Dale Carnegie's "Six Ways to Make People Like You" is:

- ☐ Make sure they know your first and last names
- ☐ Impress people with your knowledge
- ☐ Tell people about yourself
- ☒ Encourage others to talk about themselves
- ☐ Pretend that you like the other person

Question 3

/ 3 pts

Your professors can do all of the following for you EXCEPT:

- ☒ Hire you on their research grants
- ☐ Nominate you for a scholarship
- ☐ Provide you one-on-one instruction
- ☐ Help you find a summer job in industry

Correct Answer

- ☐ Increase your GPA

Question 4

/ 3 pts

"If I have seen a little further, it is by standing on the shoulders of Giants" is a famous quote by:

- ☐ Albert Einstein

- ☐ Werner Von Braun
- ☒ Isaac Newton
- ☐ John Dewey
- ☐ Yogi Berra

Question 5

/ 3 pts

The importance of asking questions:

- ☐ Has been downplayed in recent years as an effective learning strategy

Correct Answer

- ☐ Was articulated over 2,500 years ago by the Greek philosopher Socrates
- ☒ Has gained momentum since the dawn of the Information Age
- ☐ Is revealed in high-level analytical thinking
- ☐ Has more relevance to engineering practice than to engineering study

Question 6

/ 3 pts

If the way you prefer to learn differs from the way you are taught:

- ☒ Translate what you were taught into the way you prefer to learn
- ☐ Drop the course
- ☐ Change your major to Business Administration
- ☐ Speak to the professor about your concern
- ☐ Pay more attention in class

Question 7

/ 3 pts

Sensing learners:

- ☐ Prefer ideas, possibilities, theories, and abstractions
- ☐ Look for meanings and prefer variety
- ☐ Dislike repetition
- ☒ Focus on things that can be seen, heard, or touched
- ☐ Ignore facts and data

Question 8

/ 3 pts

Complaining that exams are too hard conflicts with a professor's view that:

- ☐ They love to convey what they know to others
- ☐ Their technical specialty is interesting and important
- ☒ They are a good teacher
- ☐ Their industrial experience is valuable
- ☐ They have a big intellect

Question 9

3

/ 3 pts

Which of the following is characteristic of "expert" learners?

- ☐ They tend to attribute successes to natural ability
- ☐ They memorize all lecture material
- ☐ They pay keen attention to their professors' teaching methods
- ☐ They know how to teach themselves
- ☒ They plan their approach to learning

Question 10

3

/ 3 pts

The classic book How to Win Friends and Influence People was authored by:

- ☐ Norman Vincent Peale
- ☐ Carl Jung
- ☐ Joe Jacobs
- ☐ Tony Robbins
- ☒ Dale Carnegie

Question 11

3

/ 3 pts

Metacognition is:

- ☐ Taking advantage of opportunities to reinforce learning
- ☐ Knowledge about knowledge
- ☒ The process of improving your learning by observing it and making changes based on what you observe
- ☐ Knowledge about the objectives and purposes of your educational program
- ☐ Understanding the connection between study skills and academic success

Question 12

3

/ 3 pts

The reason students give for not asking questions in class is:

- ☐ I was too confused to know what to ask
- ☒ All are correct
- ☐ I don't want to bring attention to myself
- ☐ I didn't want to take time away from the instructor or other students
- ☐ I was afraid I would look stupid

Question 13

3

/ 3 pts

Within engineering education, all of the following are examples of psychomotor learning EXCEPT:

- ☐ Computer keyboard skills
- ☒ Calculating
- ☐ Machine tool operation
- ☐ Sketching
- ☐ Certain laboratory skills

Question 14

0

/ 3 pts

The Cornell Note-Taking System:

- ☐ Helps you write down things you expect to encounter on the exam
- ☐ Requires a spiral notebook
- ☒ Is compatible with computerized note-taking strategies

Correct Answer

- ☐ Restricts the note-taking area to 6" x 9"
- ☐ Saves paper

Question 15

0

/ 3 pts

In contrast with high school, at the college level:

- ☒ All of these answers
- ☐ Teaching methods are better

Correct Answer

- ☐ Classes are faster paced
- ☐ More learning takes place in small groups
- ☐ Class sizes are smaller

Question 16

3

/ 3 pts

Divergent thinking questions:

- ☐ Deal with matters of judgment, value, and choice
- ☒ Put information together in a different way
- ☐ Represent the analysis and integration of given or remembered information
- ☐ Have little relevance in engineering study
- ☐ Exhibit memory of previously learned material

Question 17

3

/ 3 pts

In Bloom's Taxonomy, the highest level intellectual skill is:

- ☐ Understanding
- ☐ Applying
- ☐ Evaluating
- ☒ Creating
- ☐ Analyzing

Question 18

3

/ 3 pts

Global learners:

- ☐ Prefer linear steps, with each step following logically from the previous one
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- ☒ Tend to learn in large jumps, absorbing material almost randomly without seeing connections
- ☐ Prefer to work alone
- ☐ Perform best in small groups

Question 19

3

/ 3 pts

If your professor uses PowerPoint presentations in lectures, you should:

- ☐ Ask the professor to email you a copy of the presentation
- ☒ Do your best to capture the main ideas
- ☐ Take comprehensive notes
- ☐ Team up with a fellow students to divide note-taking responsibilities
- ☐ Use your cell phone to photograph key slides

Question 20

3 / 3 pts

An overarching mistake made by many engineering students is to:

- ☐ Spend little time on campus
- ☐ Cut classes
- ☐ Come to each lecture unprepared
- ☒ Assume engineering study will be like high school
- ☐ Delay studying until a test is announced

Question 21

3 / 3 pts

What resource Khan Academy provides can be of help to first-year engineering students?

- ☐ Lessons on study skills
- ☐ Financial assistance
- ☒ Short videos on math and science
- ☐ Information on college admission
- ☐ Motivational lectures

Question 22

3 / 3 pts

Preparing for your lectures is a powerful and effective strategy for success because:

- ☐ You need to invest a larger amount of time to yield a big payoff
- ☒ You'll learn more from the lecture
- ☐ It won't be necessary for you to take copious notes
- ☐ If you have to miss class, it won't matter as much
- ☐ You can be distracted during the lecture

Question 23

0 / 3 pts

As a result of the decline in memory retention, how much of what you first studied will you forget after 24 hours

- ☒ 40%
- ☐ 90%

Correct Answer

- ☐ 60%
- ☐ 75%
- ☐ 25%

Question 24

3 / 3 pts

"Be here now" means:

- ☐ Attending your classes
- ☒ Keeping your attention focused during class
- ☐ Showing up to your professor's office hours
- ☐ Doing well on this exam
- ☐ Developing good listening skills

Question 25

3 / 3 pts

A common teaching mode in engineering education is large lectures accompanied by small recitations. The main purpose of the recitations is to

- ☒ Amplify and reinforce the main concepts from lectures and work problems
- ☐ Compel students to memorize lecture material so they can "recite" the information back to their group
- ☐ Teach students the benefits of small, interactive group study
- ☐ Give students the opportunity to learn from upper-level and graduate students
- ☐ Cover topics not addressed in lectures due to time constraints

Question 26

3 / 3 pts

Which is NOT an academic resource for first-year engineering students?

- ☐ College/university catalog
- ☐ University library
- ☐ Academic advising
- ☒ Student chapters of professional organizations
- ☐ Registrar's office

Question 27

0 / 3 pts

A good protocol for emailing your professors would be to:

- ☒ Adopt a casual, informal tone, worrying more about the content of the message than grammar and spelling

Correct Answer

- ☐ Make sure they welcome emails from students
- ☐ Send emails frequently to demonstrate your interest in the course
- ☐ Compose lengthy messages to show your mastery of written communications
- ☐ Write from your non-university email account to save the university money

Question 28

/ 3 pts

A good listener:

- ☐ Can talk to other students while listening
- ☐ Is bothered by distractions
- ☐ Listens for facts and details
- ☒ Judges the value of content rather than the delivery
- ☐ Readily reacts with opposing views to new ideas

Question 29

/ 3 pts

Which of the following statements best describes "cognitive learning"?

- ☐ It grew out of educators' need to quantify the learning process
- ☒ It entails the acquisition of new knowledge and intellectual skills
- ☐ It is used to measure the differences between "preference" and "competence"
- ☐ It refers to the development of one's interpersonal and affective skills
- ☐ It distinguishes the kind of learning involved in engineering education

Question 30

/ 3 pts

Which of the following statements is NOT true about taking notes on a computer?

- ☐ Notes will be legible
- ☒ Note-taking will be simplified in courses with a lot of equations
- ☐

Information from other electronic sources can be added easily into the notes

- ☐ Notes will be searchable
- ☐ Notes can be kept in one place to improve organization

Question 31

3

/ 3 pts

Two ways learners differ in the way they prefer to process new information are:

- ☒ Active vs. reflective
- ☐ Sensing vs. intuitive
- ☐ Sequential vs. global
- ☐ None of the answers
- ☐ Visual vs. verbal

Question 32

3

/ 3 pts

The question, "In what ways does the Linux operating system differ from Windows operating system," is an example of:

- ☐ Divergent thinking questions
- ☒ Convergent thinking questions
- ☐ Memory-level questions
- ☐ None is correct
- ☐ Evaluation questions

Question 33

0

/ 3 pts

Which of the following is characteristic of a good listener?

Correct Answer

- ☐ Welcoming difficult material as exercise for the mind
- ☐ Can multitask while listening
- ☐ Focusing on emotionally charged words or ideas
- ☐ Tuning out uninteresting or boring topics
- ☒ Listening for facts and details

Final Score: 78 out of 99

Average Exam II

BELOW AVERAGE

Exam II

Score for this quiz: **48** out of 99
Submitted Oct 20 at 2:50pm
This attempt took 45 minutes.

Below Average Exam II

Question 1

0 / 3 pts

Among Dale Carnegie's "Six Ways to Make People Like You" is:

- ☒ Make sure they know your first and last names
- ☐ Tell people about yourself
- ☐ Pretend that you like the other person

Correct Answer

- ☐ Encourage others to talk about themselves
- ☐ Impress people with your knowledge

Question 2

3 / 3 pts

Which of the following is characteristic of "expert" learners?

- ☐ They pay keen attention to their professors' teaching methods
- ☐ They know how to teach themselves
- ☐ They tend to attribute successes to natural ability
- ☐ They memorize all lecture material
- ☒ They plan their approach to learning

Question 3

0 / 3 pts

What resource Khan Academy provides can be of help to first-year engineering students?

- ☐ Motivational lectures
- ☐ Information on college admission

Correct Answer

- ☐ Short videos on math and science
- ☒ Lessons on study skills
- ☐ Financial assistance

Question 4

0

/ 3 pts

As a result of the decline in memory retention, how much of what you first studied will you forget after 24 hours?

Correct Answer

- ☐ 60%
- ☐ 90%
- ☐ 40%
- ☒ 25%
- ☐ 75%

Question 5

3

/ 3 pts

An overarching mistake made by many engineering students is to:

- ☒ Assume engineering study will be like high school
- ☐ Spend little time on campus
- ☐ Delay studying until a test is announced
- ☐ Come to each lecture unprepared
- ☐ Cut classes

Question 6

3

/ 3 pts

A good listener:

- ☐ Readily reacts with opposing views to new ideas
- ☐ Listens for facts and details
- ☐ Is bothered by distractions
- ☐ Can talk to other students while listening
- ☒ Judges the value of content rather than the delivery

Question 7

0

/ 3 pts

Within engineering education, all of the following are examples of psychomotor learning EXCEPT:

Correct Answer

- ☐ Calculating
- ☒ Computer keyboard skills
- ☐ Sketching

- ☐ Machine tool operation
- ☐ Certain laboratory skills

Question 8

3 / 3 pts

Metacognition is:

- ☒ The process of improving your learning by observing it and making changes based on what you observe
- ☐ Understanding the connection between study skills and academic success
- ☐ Knowledge about knowledge
- ☐ Knowledge about the objectives and purposes of your educational program
- ☐ Taking advantage of opportunities to reinforce learning

Question 9

0 / 3 pts

The question, "In what ways does the Linux operating system differ from Windows operating system?," is an example of:

Correct Answer

- ☐ Convergent thinking questions
- ☐ None is correct
- ☐ Memory-level questions
- ☐ Divergent thinking questions
- ☒ Evaluation questions

Question 10

3 / 3 pts

The reason students give for not asking questions in class is:

- ☐ I don't want to bring attention to myself
- ☐ I didn't want to take time away from the instructor or other students
- ☒ All are correct
- ☐ I was too confused to know what to ask
- ☐ I was afraid I would look stupid

Question 11

3 / 3 pts

If the way you prefer to learn differs from the way you are taught:

- ☐ Speak to the professor about your concern
- ☐ Pay more attention in class
- ☐ Drop the course
- ☒ Translate what you were taught into the way you prefer to learn
- ☐ Change your major to Business Administration

Question 12

3

/ 3 pts

"If I have seen a little further, it is by standing on the shoulders of Giants" is a famous quote by:

- ☐ John Dewey
- ☐ Yogi Berra
- ☐ Werner Von Braun
- ☐ Albert Einstein
- ☒ Isaac Newton

Question 13

0

/ 3 pts

Divergent thinking questions:

- ☐ Exhibit memory of previously learned material

Correct Answer

- ☐ Put information together in a different way
- ☐ Have little relevance in engineering study
- ☐ Deal with matters of judgment, value, and choice
- ☒ Represent the analysis and integration of given or remembered information

Question 14

0

/ 3 pts

Which is NOT an academic resource for first-year engineering students?

Correct Answer

- ☐ Student chapters of professional organizations
- ☐ University library
- ☐ College/university catalog
- ☐ Academic advising
- ☒ Registrar's office

Question 15

3

/ 3 pts

Which of the following statements is NOT true about taking notes on a computer?

- ☒ Note-taking will be simplified in courses with a lot of equations
- ☐ Notes can be kept in one place to improve organization
- ☐ Notes will be searchable
- ☐ Notes will be legible
- ☐ Information from other electronic sources can be added easily into the notes

Question 16

0

/ 3 pts

The importance of asking questions:

- ☒ Has more relevance to engineering practice than to engineering study
- ☐ Has gained momentum since the dawn of the Information Age

Correct Answer

- ☐ Was articulated over 2,500 years ago by the Greek philosopher Socrates
- ☐ Has been downplayed in recent years as an effective learning strategy
- ☐ Is revealed in high-level analytical thinking

Question 17

3

/ 3 pts

Which of the following statements best describes "cognitive learning"?

- ☐ It is used to measure the differences between "preference" and "competence"
- ☐ It distinguishes the kind of learning involved in engineering education
- ☐ It refers to the development of one's interpersonal and affective skills
- ☒ It entails the acquisition of new knowledge and intellectual skills
- ☐ It grew out of educators' need to quantify the learning process

Question 18

0

/ 3 pts

Global learners:

- ☐ Prefer to work alone
- ☒ Prefer linear steps, with each step following logically from the previous one

Correct Answer

- ☐ Tend to learn in large jumps, absorbing material almost randomly without seeing connections
- ☐ Perform best in small groups
- ☐ Want to think things through before attempting to do anything themselves

Question 19

3

/ 3 pts

Which of the following is characteristic of a good listener?

- ☐ Focusing on emotionally charged words or ideas
- ☐ Tuning out uninteresting or boring topics
- ☒ Welcoming difficult material as exercise for the mind
- ☐ Listening for facts and details
- ☐ Can multitask while listening

Question 20

0

/ 3 pts

Sensing learners:

Correct Answer

- ☐ Focus on things that can be seen, heard, or touched
- ☐ Ignore facts and data
- ☐ Dislike repetition
- ☒ Prefer ideas, possibilities, theories, and abstractions
- ☐ Look for meanings and prefer variety

Question 21

3

/ 3 pts

"Be here now" means:

- ☐ Developing good listening skills
- ☐ Doing well on this exam
- ☐ Showing up to your professor's office hours
- ☐ Attending your classes
- ☒ Keeping your attention focused during class

Question 22

3

/ 3 pts

The classic book How to Win Friends and Influence People was authored by:

- ☒ Dale Carnegie
- ☐ Carl Jung
- ☐ Norman Vincent Peale
- ☐ Tony Robbins
- ☐ Joe Jacobs

Question 23

0 / 3 pts

Two ways learners differ in the way they prefer to process new information are:

- ☒ Sequential vs. global
- ☐ None of the above
- ☐ Visual vs. verbal

Correct Answer

- ☐ Active vs. reflective
- ☐ Sensing vs. intuitive

Question 24

0 / 3 pts

The Cornell Note-Taking System:

- ☐ Is compatible with computerized note-taking strategies
- ☐ Saves paper
- ☒ Requires a spiral notebook

Correct Answer

- ☐ Restricts the note-taking area to 6" x 9"
- ☐ Helps you write down things you expect to encounter on the exam

Question 25

0 / 3 pts

A good protocol for emailing your professors would be to:

- ☐ Write from your non-university email account to save the university money
- ☐ Adopt a casual, informal tone, worrying more about the content of the message than grammar and spelling

Correct Answer

- ☐ Make sure they welcome emails from students
- ☒ Compose lengthy messages to show your mastery of written communications
- ☐ Send emails frequently to demonstrate your interest in the course

Question 26

3 / 3 pts

Preparing for your lectures is a powerful and effective strategy for success because:

- ☒ You'll learn more from the lecture

- ☐ You need to invest a larger amount of time to yield a big payoff
- ☐ It won't be necessary for you to take copious notes
- ☐ If you have to miss class, it won't matter as much
- ☐ You can be distracted during the lecture

Question 27

3

/ 3 pts

A course syllabus typically does NOT include the following:

- ☐ Instructor information
- ☒ Names of all students in the course
- ☐ Textbook and other reference materials
- ☐ Course description
- ☐ Basis for grading

Question 28

0

/ 3 pts

In Bloom's Taxonomy, the highest level intellectual skill is:

- ☐ Evaluating
- Correct Answer**
- ☐ Creating
- ☐ Applying
- ☐ Analyzing
- ☒ Understanding

Question 29

0

/ 3 pts

Complaining that exams are too hard conflicts with a professor's view that:

Correct Answer

- ☐ They are a good teacher
- ☐ They love to convey what they know to others
- ☐ They have a big intellect
- ☐ Their industrial experience is valuable
- ☒ Their technical specialty is interesting and important

Question 30

3

/ 3 pts

Your professors can do all of the following for you EXCEPT:

- ☐ Nominate you for a scholarship
- ☐ Help you find a summer job in industry
- ☒ Increase your GPA
- ☐ Hire you on their research grants
- ☐ Provide you one-on-one instruction

Question 31

3

/ 3 pts

In contrast with high school, at the college level:

- ☐ Teaching methods are better
- ☐ All of these answers
- ☒ Classes are faster paced
- ☐ More learning takes place in small groups
- ☐ Class sizes are smaller

Question 32

0

/ 3 pts

A common teaching mode in engineering education is large lectures accompanied by small recitations. The main purpose of the recitations is to:

- ☐ Cover topics not addressed in lectures due to time constraints
- ☐ Compel students to memorize lecture material so they can "recite" the information back to their group
- ☐ Give students the opportunity to learn from upper-level and graduate students
- ☒ Teach students the benefits of small, interactive group study

Correct Answer

- ☐ Amplify and reinforce the main concepts from lectures and work problems

Question 33

0

/ 3 pts

If your professor uses PowerPoint presentations in lectures, you should:

Correct Answer

- ☐ Do your best to capture the main ideas
- ☒ Take comprehensive notes
- ☐ Ask the professor to email you a copy of the presentation
- ☐ Use your cell phone to photograph key slides
- ☐ Team up with a fellow students to divide note-taking responsibilities

Final Score: 48 out of 99

Below Average Exam II

Intro to Engineering, Computer Science, and Technology
CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011

Exam III

Ethics and Professionalism

TOPICS COVERED IN Exam III

- 1. Terms and definitions: Laws, Morals, Ethics, Ethical Egoism, Utilitarianism, Social Justice and Rights Analysis and Professional**
- 2. Moral Codes: Loyalty, Trust, Integrity and Honesty**
- 3. University Policy on Dishonesty: Cheating, Dishonesty, Plagiarism**
- 4. National Society of Professional Engineers (NSPE)**
- 5. Fundamental Canons of the NSPE Code of Ethics**
- 6. Evaluating Actions and Decisions**
- 7. Mini Case Studies**

Exam III Ethics Test Questions

1. Rules of acceptable personal behavior and courtesy which include proper dress, answering the phone and appropriate language are forms of:
 - a) Laws
 - b) Morals
 - c) Etiquette
 - d) Ethical Egoism
 - e) Utilitarianism
2. A system of rules and punishments clearly defined are:
 - a) Laws
 - b) Morals
 - c) Etiquette
 - d) Ethical Egoism
 - e) Utilitarianism
3. Personal rules of right and wrong behavior which are often derived from a person's upbringing or religious beliefs are:
 - a) Laws
 - b) Morals
 - c) Etiquette
 - d) Ethical Egoism
 - e) Utilitarianism
4. A moral theory stating that an act is moral provided you act in your enlightened self-interest is:
 - a) Laws
 - b) Morals
 - c) Etiquette
 - d) Ethical Egoism
 - e) Utilitarianism
5. Moral activities that create the most good for the most people is:
 - a) Laws
 - b) Morals
 - c) Etiquette
 - d) Ethical Egoism
 - e) Utilitarianism
6. The "Golden Rule" of do unto others as you would have them do unto you is a form of:
 - a) Ethical Egoism
 - b) Utilitarianism
 - c) Social Justice
 - d) Rights of Freedom
 - e) Rights Analysis
7. A code or system of rules defining moral behavior for a particular society is considered:
 - a) Social Justice
 - b) Rights of Freedom

- c) Rights Analysis
- d) Ethics
- e) Laws

8. Moral codes often form our attitudes toward:

- a) Loyalty
- b) Trust
- c) Integrity
- d) Honesty
- e) All answers are correct

9. A person who does work which is intellectual, varied and non-routine which requires discretion and judgment is considered to be a:

- a) Technician
- b) Specialist
- c) Professional
- d) Union Worker
- e) Leader

10. Engineers in the fulfillment of their professional duties shall:

- a) Hold paramount the safety, health and welfare of the public
- b) Perform services only in the areas of their competence
- c) Issue public statements only in an objective and truthful manner
- d) Avoid deceptive acts
- e) All answers are correct

11. In view of the summary of the University Policy on Academic Dishonesty, offenses which have disciplinary actions include:

- a) Acquiring Information from unauthorized sources
- b) Providing information when not authorized to do so
- c) Plagiarism and dual submissions
- d) Forming a conspiracy
- e) All answers are correct

12. Disciplinary actions and sanctions that can be enforced for breaches of the University Academic Dishonesty Policy include:

- a) Dismissal
- b) Expulsion
- c) Suspension
- d) Probation
- e) All answers are correct

13. Morals are primarily formed from which of the following?

- a) Society
- b) Culture
- c) Environment
- d) Genetics
- e) All answers are correct

14. The National Society of Professional Engineers (NSPE) Code of Ethics includes which of the following statements:
- a) Engineers are expected to show cross-cultural respect
 - b) *Engineers must exhibit the highest standards of honesty and integrity
 - c) Engineers should demonstrate thorough knowledge of their specialties and subspecialties
 - d) Engineers are expected to behave professionally in the face of adversity or social unrest
 - e) Engineers must be willing to perform services out of their area of competence
15. According to the Fundamental Canons of the NSPE *Code of Ethics*, engineers will:
- a) Perform services outside their areas of competence when called on to do so
 - b) Issue public statements that make their employer look good
 - c) Use deception when necessary to bring a large contract in to their company
 - d) *Hold paramount the safety, health, and welfare of the public
 - e) Ignore laws when it is beneficial for their customer
16. What is NOT listed in the NSPE Code of Ethics for Engineering? Engineers, in the fulfillment of their professional duties, will:
- a) Perform services only in areas of their competence
 - b) Issue public statements only in an objective and truthful manner
 - c) *Hold paramount the protection of the environment
 - d) Act for each employer or client as faithful agents or trustees
 - e) Avoid deceptive acts
17. What is NOT a basic ethical value used to evaluate actions or decisions?
- a) Honesty
 - b) *Fairness
 - c) Civility
 - d) Trust
 - e) Respect
18. What is a test to evaluate if actions or decisions are ethical?
- a) Honesty test
 - b) Fairness test
 - c) Civility test
 - d) Respect test
 - e) *Harm test
19. What is NOT an example of cheating:
- a) Receiving or knowingly supplying unauthorized information during an examination
 - b) Changing an answer after work has been graded, and presenting it as improperly graded
 - c) Taking an examination for another student
 - d) Forging or altering registration or grade documents
 - e) *Solve homework on your own after a group study session
20. Knowingly representing the works of another as your own in any academic exercise is called:
- a) Cheating
 - b) Fabrication
 - c) *Plagiarism
 - d) Facilitating academic dishonesty
 - e) Authorship

21. Engineers, in the fulfillment of their professional duties, must carefully consider the safety, health, and welfare of the public.
- a) True
 - b) False
22. Engineers may perform services outside of their areas of competence as long as they inform their employers or clients.
- a) True
 - b) False
23. Engineers may issue subjective and partial statements if such statements are in writing and consistent with the best interests of their employers, clients, or the public.
- a) True
 - b) False
24. Engineers shall act for each employer or client as faithful agents or trustees.
- a) True
 - b) False
25. Engineers shall not be required to engage in truthful acts when required to protect the public health, safety, and welfare.
- a) True
 - b) False
26. Engineers may not be required to follow the provisions of state or federal law when such actions could endanger or compromise their employer or their clients' interests.
- a) True
 - b) False
27. If engineers' judgment is overruled under circumstances that endanger life or property, they shall notify their employers or clients and such other authority as may be appropriate.
- a) True
 - b) False
28. Engineers may review but shall not approve those engineering documents that are in conformity with applicable standards.
- a) True
 - b) False

29. Engineers shall not reveal facts, data or information without the prior consent of the client or employer except as authorized or required by law or this Code.
- a) True
 - b) False
30. Engineers shall not permit the use of their names or associates in business ventures with any person or firm that they believe is engaged in fraudulent or dishonest enterprise, unless such enterprise or activity is deemed consistent with applicable state or federal law.
- a) True
 - b) False
31. Based on the engineering code of ethics, engineers do not lie, cheat, or steal and must always keep safety in mind.
- a) True
 - b) False
32. In summary, it is ok to cheat or copy on exams as long as you are not caught by the instructor.
- a) True
 - b) False

Exam III Statistics

Quiz Summary Statistics (Tuesday)

Average Score	High Score	Low Score	Standard Deviation
80%	94%	56%	9.26

67 Students in this group

Quiz Summary Statistics (Wednesday)

Average Score	High Score	Low Score	Standard Deviation
81%	97%	16%	11.21

87 Students in this group

Quiz Summary Statistics (Thursday)

Average Score	High Score	Low Score	Standard Deviation
74%	87%	19%	17.76

14 Students in this group

ABOVE AVERAGE

Exam III Ethics

Exam III Ethics

Above Average

Score for this quiz: **93** out of 99.2

Submitted Nov 10 at 2:37pm

This attempt took 31 minutes.

Question 1

3.1

/ 3.1 pts

The National Society of Professional Engineers (NSPE) Code of Ethics includes which of the following statements:

- ☐ Engineers must be willing to perform services out of their area of competence
- ☒ Engineers must exhibit the highest standards of honesty and integrity
- ☐ Engineers are expected to behave professionally in the face of adversity or social unrest
- ☐ Engineers should demonstrate thorough knowledge of their specialties and subspecialties
- ☐ Engineers are expected to show cross-cultural respect

Question 2

3.1

/ 3.1 pts

What is NOT an example of cheating:

- ☐ Changing an answer after work has been graded, and presenting it as improperly graded
- ☒ Solve homework on your own after a group study session
- ☐ Receiving or knowingly supplying unauthorized information during an examination
- ☐ Taking an examination for another student
- ☐ Forging or altering registration or grade documents

Question 3

3.1

/ 3.1 pts

A person who does work which is intellectual, varied and non-routine which requires discretion and judgment is considered to be a:

- ☐ Union Worker
- ☐ Leader
- ☐ Technician
- ☐ Specialist
- ☒ Professional

Question 4

3.1

/ 3.1 pts

Engineers may not be required to follow the provisions of state or federal law when such actions could endanger or compromise their employer or their clients' interests:

- ☒ False
- ☐ None
- ☐ True

Question 5

3.1

/ 3.1 pts

Engineers in the fulfillment of their professional duties shall:

- ☐ Hold paramount the safety, health and welfare of the public
- ☒ All answers are correct
- ☐ Issue public statements only in an objective and truthful manner
- ☐ Avoid deceptive acts
- ☐ Perform services only in the areas of their competence

Question 6

3.1

/ 3.1 pts

According to the Fundamental Canons of the NSPE Code of Ethics for Engineers, engineers will:

- ☐ Use deception when necessary to bring a large contract in to their company
- ☐ Perform services outside their areas of competence when called on to do so
- ☐ Ignore laws when it is beneficial for their customer
- ☒ Hold paramount the safety, health, and welfare of the public
- ☐ Issue public statements that make their employer look good

Question 7

3.1

/ 3.1 pts

Rules of acceptable personal behavior and courtesy which include proper dress, answering the phone and appropriate language are forms of:

- ☐ Utilitarianism
- ☐ Morals
- ☐ Ethical Egoism
- ☒ Etiquette
- ☐ Laws

Question 8

0

/ 3.1 pts

What is a test to evaluate if actions or decisions are ethical

- ☐ Fairness test
- ☐ Respect test
- ☒ Honesty test

Correct Answer

- ☐ Harm test
- ☐ Civility test

Question 9

3.1

/ 3.1 pts

The "Golden Rule" of do unto others as you would have them do unto you is a form of:

- ☐ Ethical Egoism
- ☒ Rights Analysis
- ☐ Rights of Freedom
- ☐ Utilitarianism
- ☐ Social Justice

Question 10

3.1

/ 3.1 pts

A code or system of rules defining moral behavior for a particular society is considered:

- ☒ Ethics
- ☐ Rights of Freedom
- ☐ Rights Analysis
- ☐ Social Justice
- ☐ Laws

Question 11

3.1

/ 3.1 pts

Engineers shall not reveal facts, data or information without the prior consent of the client or employer except as authorized or required by law or this Code

- ☒ True
- ☐ False
- ☐ None

Question 12

0

/ 3.1 pts

What is NOT a basic ethical value used to evaluate actions or decisions:

- ☐ Respect
- ☐ Honesty
- ☐ Trust

Correct Answer

- ☐ Fairness
- ☒ Civility

Question 13

3.1

/ 3.1 pts

Engineers shall not permit the use of their names or associates in business ventures with any person or firm that they believe is engaged in fraudulent or dishonest enterprise, unless such enterprise or activity is deemed consistent with applicable state or federal law:

- ☐ True
- ☒ False
- ☐ None

Question 14

3.1

/ 3.1 pts

Engineers may perform services outside of their areas of competence as long as they inform their employers or clients:

- ☒ False
- ☐ True
- ☐ None

Question 15

3.1

/ 3.1 pts

Moral codes often form our attitudes toward:

- ☐ Trust
- ☒ All answers are correct
- ☐ Loyalty
- ☐ Integrity
- ☐ Honesty

Question 16

3.1

/ 3.1 pts

Personal rules of right and wrong behavior which are often derived from a person's upbringing or religious beliefs are:

- ☐ Etiquette
- ☐ Utilitarianism
- ☒ Morals
- ☐ Ethical Egoism
- ☐ Laws

Question 17

3.1

/ 3.1 pts

Engineers shall act for each employer or client as faithful agents or trustees:

- ☒ True
- ☐ None
- ☐ False

Question 18

3.1

/ 3.1 pts

What is NOT listed in the NSPE Code of Ethics for Engineering that engineers in performing their duties will:

- ☒ Hold paramount the protection of the environment
- ☐ Perform services only in areas of their competence
- ☐ Act for each employer or client as faithful agents or trustees
- ☐ Avoid deceptive acts
- ☐ Issue public statements only in an objective and truthful manner

Question 19

3.1

/ 3.1 pts

Disciplinary actions and sanctions that can be enforced for breaches of the University Academic Dishonesty Policy include:

- ☐ Dismissal
- ☒ All answers are correct
- ☐ Expulsion
- ☐ Probation

- ☐ Suspension

Question 20

3.1

/ 3.1 pts

Morals are primarily formed from which of the following:

- ☐ Environment
- ☒ All answers are correct
- ☐ Culture
- ☐ Genetics
- ☐ Society

Question 21

3.1

/ 3.1 pts

A moral theory stating that an act is moral provided you act in your enlightened self-interest is:

- ☐ Morals
- ☐ Etiquette
- ☐ Utilitarianism
- ☒ Ethical Egoism
- ☐ Laws

Question 22

3.1

/ 3.1 pts

Moral activities that create the most good for the most people is:

- ☐ Morals
- ☐ Etiquette
- ☐ Ethical Egoism
- ☐ Laws
- ☒ Utilitarianism

Question 23

3.1

/ 3.1 pts

Based on the engineering code of ethics, engineers do not lie, cheat, or steal and must always keep safety in mind:

- ☐ False
- ☐ None

- ☒ True

Question 24

3.1

/ 3.1 pts

In view of the summary of the University Policy on Academic Dishonesty, offenses which have disciplinary actions include:

- ☒ All answers are correct
- ☐ Forming a conspiracy
- ☐ Plagiarism and dual submissions
- ☐ Providing information when not authorized to do so
- ☐ Acquiring Information from unauthorized sources

Question 25

3.1

/ 3.1 pts

In summary, it is ok to cheat or copy on exams as long as you are not caught by the instructor

- ☒ False
- ☐ None
- ☐ True

Question 26

3.1

/ 3.1 pts

A system of rules and punishments clearly defined are:

- ☒ Laws
- ☐ Morals
- ☐ Etiquette
- ☐ Ethical Egoism
- ☐ Utilitarianism

Question 27

3.1

/ 3.1 pts

If engineers' judgment is overruled under circumstances that endanger life or property, they shall notify their employers or clients and such other authority as may be appropriate:

- ☒ True
- ☐ None
- ☐ False

Question 28

3.1

/ 3.1 pts

Engineers may review but shall not approve those engineering documents that are in conformity with applicable standards

- ☒ False
- ☐ None
- ☐ True

Question 29

3.1

/ 3.1 pts

Engineers shall not be required to engage in truthful acts when required to protect the public health, safety, and welfare:

- ☒ False
- ☐ True
- ☐ None

Question 30

3.1

/ 3.1 pts

Knowingly representing the works of another as your own in any academic exercise is called:

- ☐ Fabrication
- ☐ Authorship
- ☐ Cheating
- ☒ Plagiarism
- ☐ Facilitating academic dishonesty

Question 31

3.1

/ 3.1 pts

Engineers, in the fulfillment of their professional duties, must carefully consider the safety, health, and welfare of the public:

- ☒ True
- ☐ False
- ☐ None

Question 32

3.1

/ 3.1 pts

Engineers may issue subjective and partial statements if such statements are in writing and consistent with the best interests of their employers, clients, or the public:

- ☐ None
- ☐ True
- ☒ False

Final Score: 93 out of 99.2

Exam III Ethics Above Average

AVERAGE

Exam III Ethics

Exam III Ethics Average

Score for this quiz: **80.6** out of 99.2

Submitted Nov 10 at 2:46pm

This attempt took 40 minutes.

Question 1

3.1

/ 3.1 pts

Morals are primarily formed from which of the following

- ☒ All answers are correct
- ☐ Environment
- ☐ Society
- ☐ Genetics
- ☐ Culture

Question 2

3.1

/ 3.1 pts

Engineers may issue subjective and partial statements if such statements are in writing and consistent with the best interests of their employers, clients, or the public:

- ☐ True
- ☐ None
- ☒ False

Question 3

3.1

/ 3.1 pts

Disciplinary actions and sanctions that can be enforced for breaches of the University Academic Dishonesty Policy include

- ☒ All answers are correct
- ☐ Dismissal
- ☐ Expulsion
- ☐ Probation
- ☐ Suspension

Question 4

3.1

/ 3.1 pts

If engineers' judgment is overruled under circumstances that endanger life or property, they shall notify their employers or clients and such other authority as may be appropriate:

- ☒ True
- ☐ None
- ☐ False

Question 5

3.1

/ 3.1 pts

Moral activities that create the most good for the most people is:

- ☐ Morals
- ☐ Laws
- ☒ Utilitarianism
- ☐ Ethical Egoism
- ☐ Etiquette

Question 6

0

/ 3.1 pts

The National Society of Professional Engineers (NSPE) Code of Ethics includes which of the following statements:

Correct Answer

- ☐ Engineers must exhibit the highest standards of honesty and integrity
- ☒ Engineers must be willing to perform services out of their area of competence
- ☐ Engineers are expected to behave professionally in the face of adversity or social unrest
- ☐ Engineers should demonstrate thorough knowledge of their specialties and subspecialties
- ☐ Engineers are expected to show cross-cultural respect

Question 7

0

/ 3.1 pts

A code or system of rules defining moral behavior for a particular society is considered:

- ☐ Rights of Freedom
- ☐ Social Justice

Correct Answer

- ☐ Ethics
- ☒ Laws

- ☐ Rights Analysis

Question 8

3.1

/ 3.1 pts

According to the Fundamental Canons of the NSPE Code of Ethics for Engineers, engineers will:

- ☒ Hold paramount the safety, health, and welfare of the public
- ☐ Use deception when necessary to bring a large contract in to their company
- ☐ Ignore laws when it is beneficial for their customer
- ☐ Perform services outside their areas of competence when called on to do so
- ☐ Issue public statements that make their employer look good

Question 9

3.1

/ 3.1 pts

A system of rules and punishments clearly defined are:

- ☐ Morals
- ☐ Ethical Egoism
- ☐ Utilitarianism
- ☐ Etiquette
- ☒ Laws

Question 10

3.1

/ 3.1 pts

In view of the summary of the University Policy on Academic Dishonesty, offenses which have disciplinary actions include:

- ☐ Providing information when not authorized to do so
- ☐ Forming a conspiracy
- ☐ Acquiring Information from unauthorized sources
- ☐ Plagiarism and dual submissions
- ☒ All answers are correct

Question 11

3.1

/ 3.1 pts

Knowingly representing the works of another as your own in any academic exercise is called:

- ☐ Facilitating academic dishonesty

- ☒ Plagiarism
- ☐ Cheating
- ☐ Fabrication
- ☐ Authorship

Question 12

3.1

/ 3.1 pts

Engineers shall act for each employer or client as faithful agents or trustees:

- ☐ False
- ☐ None
- ☒ True

Question 13

3.1

/ 3.1 pts

Engineers may review but shall not approve those engineering documents that are in conformity with applicable standards:

- ☒ False
- ☐ None
- ☐ True

Question 14

3.1

/ 3.1 pts

Personal rules of right and wrong behavior which are often derived from a person's upbringing or religious beliefs are:

- ☒ Morals
- ☐ Laws
- ☐ Utilitarianism
- ☐ Ethical Egoism
- ☐ Etiquette

Question 15

3.1

/ 3.1 pts

What is NOT an example of cheating

- ☐ Changing an answer after work has been graded, and presenting it as improperly graded
- ☐ Forging or altering registration or grade documents

- ☐ Taking an examination for another student
- ☐ Receiving or knowingly supplying unauthorized information during an examination
- ☒ Solve homework on your own after a group study session

Question 16

3.1

/ 3.1 pts

Engineers shall not reveal facts, data or information without the prior consent of the client or employer except as authorized or required by law or this Code:

- ☒ True
- ☐ None
- ☐ False

Question 17

0

/ 3.1 pts

What is a test to evaluate if actions or decisions are ethical:

- ☐ Honesty test
- ☐ Respect test

Correct Answer

- ☐ Harm test
- ☐ Fairness test
- ☒ Civility test

Question 18

3.1

/ 3.1 pts

Engineers shall not be required to engage in truthful acts when required to protect the public health, safety, and welfare:

- ☐ None
- ☒ False
- ☐ True

Question 19

0

/ 3.1 pts

What is NOT a basic ethical value used to evaluate actions or decisions:

Correct Answer

- ☐ Fairness
- ☐ Trust
- ☐ Honesty
- ☐ Civility

- ☒ Respect

Question 20

3.1

/ 3.1 pts

Engineers shall not permit the use of their names or associates in business ventures with any person or firm that they believe is engaged in fraudulent or dishonest enterprise, unless such enterprise or activity is deemed consistent with applicable state or federal law:

- ☒ False
- ☐ None
- ☐ True

Question 21

3.1

/ 3.1 pts

Engineers in the fulfillment of their professional duties shall:

- ☐ Perform services only in the areas of their competence
- ☐ Avoid deceptive acts
- ☐ Hold paramount the safety, health and welfare of the public
- ☐ Issue public statements only in an objective and truthful manner
- ☒ All answers are correct

Question 22

3.1

/ 3.1 pts

Engineers may not be required to follow the provisions of state or federal law when such actions could endanger or compromise their employer or their clients' interests:

- ☐ True
- ☐ None
- ☒ False

Question 23

3.1

/ 3.1 pts

Engineers, in the fulfillment of their professional duties, must carefully consider the safety, health, and welfare of the public:

- ☐ None
- ☐ False
- ☒ True

Question 24

0

/ 3.1 pts

The "Golden Rule" of do unto others as you would have them do unto you is a form of:

- ☐ Rights of Freedom
- ☒ Utilitarianism

Correct Answer

- ☐ Rights Analysis
- ☐ Ethical Egoism
- ☐ Social Justice

Question 25

3.1

/ 3.1 pts

What is NOT listed in the NSPE Code of Ethics for Engineering that engineers in performing their duties will:

- ☐ Issue public statements only in an objective and truthful manner
- ☐ Avoid deceptive acts
- ☒ Hold paramount the protection of the environment
- ☐ Perform services only in areas of their competence
- ☐ Act for each employer or client as faithful agents or trustees

Question 26

3.1

/ 3.1 pts

A moral theory stating that an act is moral provided you act in your enlightened self-interest is:

- ☒ Ethical Egoism
- ☐ Morals
- ☐ Utilitarianism
- ☐ Laws
- ☐ Etiquette

Question 27

3.1

/ 3.1 pts

Rules of acceptable personal behavior and courtesy which include proper dress, answering the phone and appropriate language are forms of:

- ☒ Etiquette
- ☐ Morals
- ☐ Utilitarianism

- ☐ Laws
- ☐ Ethical Egoism

Question 28

3.1

/ 3.1 pts

Based on the engineering code of ethics, engineers do not lie, cheat, or steal and must always keep safety in mind:

- ☐ False
- ☒ True
- ☐ None

Question 29

3.1

/ 3.1 pts

In summary, it is ok to cheat or copy on exams as long as you are not caught by the instructor:

- ☐ None
- ☐ True
- ☒ False

Question 30

3.1

/ 3.1 pts

Moral codes often form our attitudes toward:

- ☐ Integrity
- ☒ All answers are correct
- ☐ Trust
- ☐ Loyalty
- ☐ Honesty

Question 31

3.1

/ 3.1 pts

Engineers may perform services outside of their areas of competence as long as they inform their employers or clients:

- ☐ None
- ☐ True
- ☒ False

Question 32

0 / 3.1 pts

A person who does work which is intellectual, varied and non-routine which requires discretion and judgment is considered to be a:

- ☐ Leader

Correct Answer

- ☐ Professional
- ☒ Specialist
- ☐ Union Worker
- ☐ Technician

Final Score: 80.6 out of 99.2

Exam III Ethics Average

BELOW AVERAGE

Exam III Ethics

Exam III Ethics Below Average

Score for this quiz: **52.7** out of 99.2

Submitted Nov 11 at 2:50pm

This attempt took 12 minutes.

Question 1

3.1

/ 3.1 pts

What is NOT an example of cheating:

- ☐ Receiving or knowingly supplying unauthorized information during an examination
- ☐ Forging or altering registration or grade documents
- ☐ Changing an answer after work has been graded, and presenting it as improperly graded
- ☐ Taking an examination for another student
- ☒ Solve homework on your own after a group study session

Question 2

0

/ 3.1 pts

The "Golden Rule" of do unto others as you would have them do unto you is a form of:

- ☐ Rights of Freedom
- ☒ Social Justice
- ☐ Ethical Egoism

Correct Answer

- ☐ Rights Analysis
- ☐ Utilitarianism

Question 3

0

/ 3.1 pts

Engineers may perform services outside of their areas of competence as long as they inform their employers or clients:

Correct Answer

- ☐ False
- ☐ None
- ☒ True

Question 4

0

/ 3.1 pts

A person who does work which is intellectual, varied and non-routine which requires discretion and judgment is considered to be a:

Correct Answer

- ☒ Professional
- ☐ Technician
- ☐ Leader
- ☐ Specialist
- ☐ Union Worker

Question 5

3.1

/ 3.1 pts

Morals are primarily formed from which of the following:

- ☐ Culture
- ☐ Genetics
- ☐ Environment
- ☐ Society
- ☒ All answers are correct

Question 6

3.1

/ 3.1 pts

The National Society of Professional Engineers (NSPE) Code of Ethics includes which of the following statements:

- ☐ Engineers are expected to show cross-cultural respect
- ☒ Engineers must exhibit the highest standards of honesty and integrity
- ☐ Engineers should demonstrate thorough knowledge of their specialties and subspecialties
- ☐ Engineers are expected to behave professionally in the face of adversity or social unrest
- ☐ Engineers must be willing to perform services out of their area of competence

Question 7

0

/ 3.1 pts

Rules of acceptable personal behavior and courtesy which include proper dress, answering the phone and appropriate language are forms of:

- ☐ Laws
- ☒ Ethical Egoism

Correct Answer

- ☐ Etiquette
- ☐ Morals
- ☐ Utilitarianism

Question 8

0

/ 3.1 pts

Knowingly representing the works of another as your own in any academic exercise is called:

Correct Answer

- ☐ Plagiarism
- ☐ Authorship
- ☒ Cheating
- ☐ Fabrication
- ☐ Facilitating academic dishonesty

Question 9

3.1

/ 3.1 pts

Personal rules of right and wrong behavior which are often derived from a person's upbringing or religious beliefs are:

- ☐ Laws
- ☐ Ethical Egoism
- ☐ Utilitarianism
- ☒ Morals
- ☐ Etiquette

Question 10

3.1

/ 3.1 pts

Engineers, in the fulfillment of their professional duties, must carefully consider the safety, health, and welfare of the public:

- ☐ None
- ☒ True
- ☐ False

Question 11

3.1

/ 3.1 pts

Engineers in the fulfillment of their professional duties shall:

- ☐ Perform services only in the areas of their competence
- ☐ Avoid deceptive acts
- ☐ Hold paramount the safety, health and welfare of the public
- ☒ All answers are correct
- ☐ Issue public statements only in an objective and truthful manner

Question 12

0

/ 3.1 pts

What is a test to evaluate if actions or decisions are ethical:

- ☐ Honesty test
- ☐ Fairness test

Correct Answer

- ☐ Harm test
- ☒ Civility test
- ☐ Respect test

Question 13

3.1

/ 3.1 pts

Engineers shall not permit the use of their names or associates in business ventures with any person or firm that they believe is engaged in fraudulent or dishonest enterprise, unless such enterprise or activity is deemed consistent with applicable state or federal law:

- ☐ None
- ☐ True
- ☒ False

Question 14

3.1

/ 3.1 pts

Engineers may issue subjective and partial statements if such statements are in writing and consistent with the best interests of their employers, clients, or the public:

- ☐ None
- ☐ True
- ☒ False

Question 15

3.1

/ 3.1 pts

Engineers shall not be required to engage in truthful acts when required to protect the public health, safety, and welfare:

- ☒ False
- ☐ None
- ☐ True

Question 16

0 / 3.1 pts

Engineers may not be required to follow the provisions of state or federal law when such actions could endanger or compromise their employer or their clients' interests:

Correct Answer

- ☐ False
- ☐ None
- ☒ True

Question 17

3.1 / 3.1 pts

According to the Fundamental Canons of the NSPE Code of Ethics for Engineers, engineers will:

- ☐ Perform services outside their areas of competence when called on to do so
- ☐ Issue public statements that make their employer look good
- ☒ Hold paramount the safety, health, and welfare of the public
- ☐ Use deception when necessary to bring a large contract in to their company
- ☐ Ignore laws when it is beneficial for their customer

Question 18

3.1 / 3.1 pts

Moral codes often form our attitudes toward:

- ☐ Loyalty
- ☐ Honesty
- ☐ Integrity
- ☒ All answers are correct
- ☐ Trust

Question 19

3.1 / 3.1 pts

Disciplinary actions and sanctions that can be enforced for breaches of the University Academic Dishonesty Policy include:

- ☐ Suspension

- ☐ Expulsion
- ☐ Probation
- ☒ All answers are correct
- ☐ Dismissal

Question 20

3.1

/ 3.1 pts

A system of rules and punishments clearly defined are:

- ☐ Utilitarianism
- ☒ Laws
- ☐ Etiquette
- ☐ Morals
- ☐ Ethical Egoism

Question 21

0

/ 3.1 pts

Engineers may review but shall not approve those engineering documents that are in conformity with applicable standards:

- ☐ None

Correct Answer

- ☐ False
- ☒ True

Question 22

0

/ 3.1 pts

What is NOT listed in the NSPE Code of Ethics for Engineering that engineers in performing their duties will:

- ☐ Act for each employer or client as faithful agents or trustees

Correct Answer

- ☐ Hold paramount the protection of the environment
- ☒ Perform services only in areas of their competence
- ☐ Issue public statements only in an objective and truthful manner
- ☐ Avoid deceptive acts

Question 23

3.1

/ 3.1 pts

Moral activities that create the most good for the most people is:

- ☒ Utilitarianism

- ☐ Ethical Egoism
- ☐ Laws
- ☐ Morals
- ☐ Etiquette

Question 24

3.1

/ 3.1 pts

In summary, it is ok to cheat or copy on exams as long as you are not caught by the instructor:

- ☒ False
- ☐ True
- ☐ None

Question 25

3.1

/ 3.1 pts

Engineers shall not reveal facts, data or information without the prior consent of the client or employer except as authorized or required by law or this Code:

- ☐ False
- ☒ True
- ☐ None

Question 26

0

/ 3.1 pts

A moral theory stating that an act is moral provided you act in your enlightened self-interest is:

- ☐ Morals
- ☒ Etiquette

Correct Answer

- ☐ Ethical Egoism
- ☐ Laws
- ☐ Utilitarianism

Question 27

3.1

/ 3.1 pts

A code or system of rules defining moral behavior for a particular society is considered:

- ☐ Social Justice

- ☐ Laws
- ☐ Rights Analysis
- ☒ Ethics
- ☐ Rights of Freedom

Question 28

/ 3.1 pts

What is NOT a basic ethical value used to evaluate actions or decisions:

- ☐ Honesty

Correct Answer

- ☐ Fairness
- ☒ Civility
- ☐ Trust
- ☐ Respect

Question 29

/ 3.1 pts

In view of the summary of the University Policy on Academic Dishonesty, offenses which have disciplinary actions include:

- ☐ Providing information when not authorized to do so
- ☐ Forming a conspiracy

Correct Answer

- ☐ All answers are correct
- ☐ Plagiarism and dual submissions
- ☐ Acquiring Information from unauthorized sources

Question 30

/ 3.1 pts

Engineers shall act for each employer or client as faithful agents or trustees:

- ☐ None
- ☒ False

Correct Answer

- ☐ True

Question 31

/ 3.1 pts

If engineers' judgment is overruled under circumstances that endanger life or property, they shall notify their employers or clients and such other authority as may be appropriate:

- ☐ None
- ☒ False

Correct Answer

- ☐ True

Question 32

/ 3.1 pts

Based on the engineering code of ethics, engineers do not lie, cheat, or steal and must always keep safety in mind:

- ☐ False

Correct Answer

- ☐ True
- ☐ None

Final Score: 52.7 out of 99.2

Exam III Ethics Below Average

Intro to Engineering, Computer Science and Technology

FALL 2020

Homework Assign I: Goals and Objectives

Goals and Objectives Assignment

Directions: Answer each of the following items listed below.

NOTE: This assignment should be one full page, typed, Times New Roman, font size 12, and double spaced. All work must be in your own words. Plagiarism will not be tolerated.

1. In your own words, describe the terms **GOALS** and **OBJECTIVES**.
2. List at least **three** of your academic goals for the fall of 2020 with **five** actions of commitment you will use to attain each goal.

Rubric

Goals and Objectives Assignment

	20 Points	15 Points	10 Points
Directions 20% of total grade	Met all criteria described in the directions (typed, one full page, Times New Roman, font size 12, and double spaced)	Met a minimum of 50% of the criteria described in the directions.	Accomplished less than half of the criteria described in the directions.
Describing Goals and Objectives 20% of total grade	Both goals and objectives are well defined	Goals and/or objectives are not fully explained or one of the definitions is missing	Goals and/or objectives are poorly expressed or not defined
Grammar and Spelling 20% of total grade	No spelling or grammatical errors	Six or less spelling and/or grammatical errors	More than six spelling and/or grammatical errors
Goals 20% of total grade	All three clearly described academic goals	Two clearly described academic goals	One, or less, clearly described academic goal
Actions of Commitment 20% of total grade	Five clearly described actions of commitment stated for each goal	Three or more clearly described actions of commitment stated for each goal	Less than three clearly described actions of commitment stated for each goal

ABOVE AVERAGE

Bryan D. Calvin

ELEG 1011

Kirby

06 October 2020

Goals and Objectives

A goal is a task that one wants to complete in order to give themselves a way to measure their success. Objectives are things that need to be done to complete a goal. Both goals and objectives are important, because they tell one if they are going in the right direction, how much progress has been made, and lastly how much still needs to be done. In order to obtain a goal one must have commitment to their goal, and their actions have to fall in line with their commitment. For the fall of 2020 and spring 2021 my three academic goals are to obtain a 3.5 GPA, not fail any of my classes, and not drop any of my classes.

Actions of commitment I must take to obtain a 3.5 GPA is following the 60 hour rule, entering tutoring sessions, using productive study time, not being easily distracted, and attending office hours.

To not fail any of my classes of the fall 2020 is also a goal of mind. Actions of commitment I must take in order to achieve this goal is to miss as little class time as possible, not be afraid to ask for help, turn in assignments on time, cut out time to study, and put school as my primary focus.

My final goal is to not drop any of my classes. Five actions I must take to not drop any of my classes is to get help early, keep up with class pace, be sure I want to take that class, have a relationship with my professor, and have study groups with classmates.

AVERAGE

Academic Goals

- My first academic goal is to Maintain a steady 2.0 or higher gpa.
- My second academic goal is to score no less than a 75 on every exam.
- A final academic goal

80%
Avg

No definitions

Commentments.

- The first comment I have for college is to finish it . I don't wanna go to college just to drop out. I wanna finish it with a degree.
- I want to turn in all my assignments on time this year.
- I will get an internship before my junior year.
- I want to spend more time studying in school this year.
- I want to ask for help from others a lot more this year when i'm not understanding content because college is a lot harder.

BELOW AVERAGE

Marlon Shields

10/10/20

Goals and Objectives

Define ~ Goals and Objectives set standards for my life; they help me stay on track to get to my long-term goals.

1. I would like to have a B average.
2. Become more involved in class
3. Have a 75 or higher in your class

No

70%
Below
more details
Actions or commitments!

Intro to Engineering, Computer Science and Technology
CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011, and MCEG 1011

Fall 2020

Special Assignment – Learning Styles

1. Complete the on-line questionnaire:

“Index of Learning Styles Questionnaire”

<https://www.webtools.ncsu.edu/learningstyles/>

(See page 96 of textbook – 5th Edition if needed)

2. Provide your results in the **four-paired categories** from the questionnaire.

(Print or copy the results provided by the system. The snipping tool can be used to capture your bar graphs.)

For explanations of the results and the implications of your preferences follow instructions at the bottom of your output screen.

3. Based on the Learning Styles and Strategies, list three things for each category, you can do to help you become a better learner.

Note: For Each Category, list three (3) proposed activities to help you become a better learner.

**Maximum: One page, doubled spaced - three activities per category
= a total of **12 activities**.**

Rubric – Learning Styles Assignment

	25 Points	20 Points	15 Points
Directions 25% of total grade	Met all criteria described in the directions (one page typed)	Met a minimum of 50% of the criteria described in the directions.	Accomplished less than half of the criteria described in the directions.
Learning Styles Results 25% of total grade	Provided learning styles results. Show graph or numbers for each category.	Demonstrated that the questionnaire was done, but did not provide results.	—
Grammar and Spelling 25% of total grade	No spelling or grammatical errors	Four or less spelling and/or grammatical errors	More than four spelling and/or grammatical errors
Listed Activities for each Category 25% of total grade	Three per activity category – 12 activities total.	50% of activities for each category.	Less than 50% of activities for each category.

ABOVE AVERAGE

Learning Styles Submission

Daylon Adkison

100%

Questionnaire Results for Daylon Adkison

Active: 1 Sensing: 3 Visual: 9 Sequential: 3



Although I see myself as a combination of an active and reflective learner, I can see why I am more on the side of an active learner. I can see myself learning better in this area by getting out of my comfort zone and talking to more people about any subject of my choosing. Also, I should participate in more study groups for the classes I participate in. Not only that, but I've been told that I should associate a certain action- such as actively doing things like chewing gum- during lectures, and it will help me associate information with specific classes, and stop relying so much on memorization.

When it comes to being a sensory learner, I can learn better in this specific area by reading more books outside of class that can relate or connect to whatever class I'm taking. Not only that, but I should focus more on reading specific textbooks as well as listening to the lectures and the professors explain the topics that I've already read about. To increase my happiness and passion for schooling, and increase my learning as a result, I should take classes that have a connection with the real world and not so much theory classes.

For my heavy emphasis on visual learning, I can increase my study effectiveness and learning skill by researching graphs, visuals, and pictures of whatever class I may be taking. Also, I should try to sketch out more ideas that may be in my head, or topics that are vital to my courses. Using lines to connect varying ideas in the notes I take, or finding videos explaining the subjects that I'm taking, may help me absorb information quickly and with more effectiveness. I already color-code my notes, and I should continue to do so as a visual learner!

Lastly, as a logical, sequential learner, I can increase my learning ability by watching videos or reading articles about my class and pausing to absorb the individual steps before continuing. Also, I can support myself by designing my notes in an extremely linear way, to increase understanding. When it comes to talking to professors, I can ask them to repeat themselves or slow down to absorb what happens (sequentially) to better frame individual timelines in logical order. Because of my logical mindset, I can usually run with little bits of information.

AVERAGE

According To the learning styles questionnaire, I am an active learner and a Visual learner, and a sensing learner. As an active learner, I can do some things to improve my learning by joining more study groups where everyone gets a topic to share with the rest of the group. I can also prepare myself for a test by getting in a group with some classmates and guessing a few questions that will be on the test, but while we're thinking and coming up with questions, we'll also come up with answers to the questions. Another great way to become a great active learner is by asking questions during the lecture. It seems like a Conversation because, as an active learner, you retain more information by talking about it.

20% Avg

No numbers
or charts!

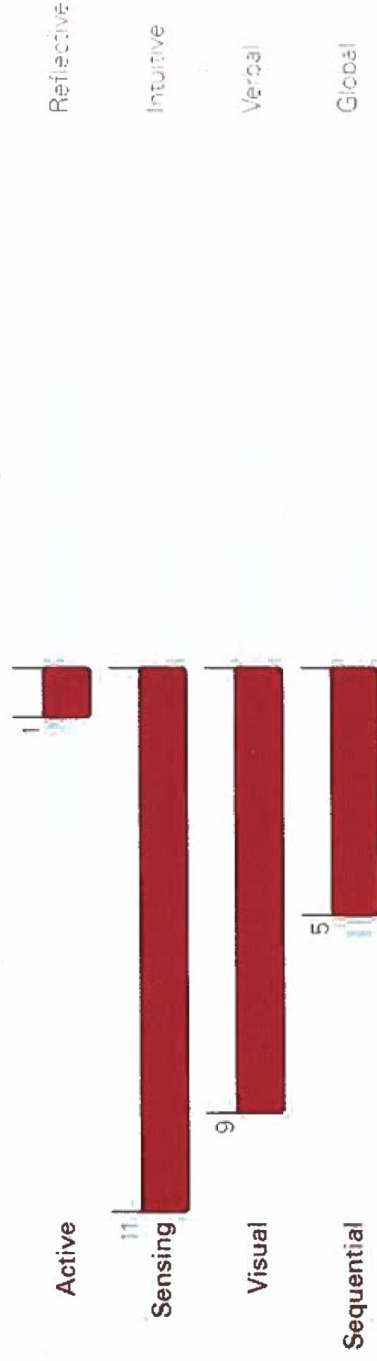
As a Visual learner, I can improve my learning by creating graphs and charts when needed because, as a visual learner, I grasp more information when I can see it. Another way is using flashcards this can help me recall key terms and vocabulary words. For the last way you can make outlines as a visual learner, outlines are an excellent organizing method.

Being a sensing learner things I can do to improve my learning is I can find out how the concepts apply in practice and then connect them to the real world. I can also brainstorm with classmates. Another thing I can do is focus on the facts.

BELOW AVERAGE

Questionnaire Results for :

➤ Active: 1 ➤ Sensing: 11 ➤ Visual: 9 ➤ Sequential: 5



70%
No discussion

Intro to Engineering, Computer Science and Technology

CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011

Design Project

Design Your Process of Becoming a “World Class Engineering Student”

TOPICS COVERED IN PROJRCT

- 1. Goal Setting**
- 2. Commitment to Goals**
- 3. Changing Attitudes**
- 4. Changing Behaviors**
- 5. Use of Learning Styles**
- 6. Course and Project Summary**

CHEG 1011, COMP 1011, CVEG 1011, ELEG 1011 and MCEG 1011

Design Your Process for Becoming a 'World-Class' Engineering Student

Engineers are required to design products or processes to meet desired needs. Through this project, you will “**Design Your Process for Becoming a 'World-Class' Engineering Student.**” The text, *Studying Engineering*, will be a very valuable resource for this design project (**Appendix A**).

Task: For each of the following items **1 - 6**, develop a plan that will indicate:

- a. Where you are currently on each item.
 - b. Where a '**world-class**' engineering student would want to be on each item.
 - c. What you need to do to move from where you are to where you would need to be to become a '**world-class**' engineering student.
1. Establishing **goals** for what you want to achieve through your engineering education (time to graduation, GPA, internship, salary for first job offer, etc.).
 2. Developing **a strong commitment** to graduate in engineering or computer science.
 - a. Clarifying what success in engineering study will do to enhance your quality of life – Why?
 - b. Making weekly schedules for time and energy management.
 - c. Prepare a '**road map**' or semester-by-semester plan to guide you to graduation.
 - d. Other strategies you would like to add are welcomed – what I need to do!!!!
 3. Changing your **attitudes (your thoughts)** to those appropriate for success in STEM coursework. Examples are:
 - a. Self-confidence – low or overconfidence
 - b. Reluctance to seek help or study with peers
 - c. Resistance to change, grow, develop and improve
 - d. **Tendency to procrastinate – thinking I have time.**
 - e. Negative views or attitudes toward faculty, authority figures, college, etc.
 4. Changing your **behaviors (your actions, habits or what you do)** to those appropriate for success in engineering and computer science – examples are:
 - a. Devoting adequate time and energy to studying – daily and weekly schedules
 - b. Adopting the principle that you must master the material presented in one class before the next class period
 - c. Preparing for lectures by **reading** and **attempting problems** before class
 - d. **Being prepared for exams & completing assignments the class before the test/due date.**
 5. Understanding **your learning style** - how to make the teaching/learning process work for you.
 6. Write a **Summary** of how the **class and project** helped you and how you will **use this information throughout your college experience.**

Rubric

Examples of addressing each item: **Must follow this format!!!**

I. Establishing Goals

(20 Points)

- A. Where am I? My main goal is to graduate with a degree in engineering/computer science with a 3.5 GPA. My short term objectives to achieve my main goal are to: (1) Honor Roll each semester, (2) Never miss class, (3) Finish assignments early, ...
- B. Where a 'world-class' engineering student would want to be: A 'world class' engineering student would not allow their past to interfere with their plans for the future. The student would identify with mistakes and take advantage of this opportunity to change and correct those mistakes for the best future possible.
- C. What I need to do to move from where I am to where I need to be as a 'world-class' engineering student: The things I need to change start with my mind set or point of view. I need to understand to commit to growth by correcting my mistakes: Attend all classes, complete assignments early, study with peers, and learn as much as I can after each class. Study each day as if the exam is the next class.

II. Strengthen My Commitments to My Goals

(20 Points)

- A. Where am I? Provide your assessment of your situation – how committed are you? What are you doing now to accomplish your goals?
- B. Where a 'world class' engineering student would want to be: Your views here based on what you have learned in the class and from the textbook.....
- C. What I need to do move from where I am to where I need to be as a 'world-class' engineering student: The things I need to do include ...

Attitudes, Behaviors and Learning Styles

(60 Points)

VI. Summary

Write your summary remarks on how this class and project have benefitted you and how you will use this plan (roadmap) as you continue to pursue your undergraduate degree.

Page Limit: Range of 5 to 6 pages: (1.5 line spacing with 12 pt)

Due: December 1-3, 2020

(Tuesday, Wednesday and Thursday Sections, Respectively)

ABOVE AVERAGE

Design Your Process for Becoming a 'World-Class' Engineering Student

100%
Above

I. Establishing Goals

A. **Where am I?**: My main goal is to graduate with a Bachelor's Degree in Mechanical Engineering. Some of my short term goals include making sure I am in good academic standing in my classes and to make sure I don't fall behind in my classes. Along with these, I also am striving to get a Master's in engineering and maybe work for a car company one day.

B. **Where a 'world-class' engineering student would want to be:** A 'world-class' engineering student would make sure that they are passing all their classes and not let anything hold them back from achieving the goals they strive for. Along with this, they would not make excuses for failures or setbacks.

C. **What I need to do to move from where I am to where I need to be as a 'world-class' engineering student:** The things I need to change including the way I go about things. I have to remember that just because I experience a setback doesn't mean I have failed and can't bounce back from it. Along with this, I have to remember that hard work and putting in time pay off.

II. Strengthen My Commitments to My Goals

- A. **Where am I?** I am very committed to my goals and continue to stay committed to my goals. I work hard in everything I do, however, I am still working on the taken failures as a lesson and less of a detrimental scenario. Right now I am passing my classes and am close to passing this semester. I will continue to do my best in everything I do.
- B. **Where a 'world-class' engineering student would want to be:** A world-class engineering student would want to be committed in the most serious manner. They would never give up on what they want to accomplish and make all the proper accommodations for it.
- C. **What I need to do move from where I am to where I need to be as a 'world-class' engineering student:** The things I need to do include setting aside time to work on my goals and myself, continue to work hard, and be the best I can be in all situations. Along with this, I need to continue to see myself as great and not average.

III. Changing your attitudes

- A. **Where am I?** I believe that at this stage in my life I have great self-confidence. I usually don't like working with others, but if I need help I will seek out help. I do have a strong tendency to procrastinate, however, I still get my work done in a timely manner.
- B. **Where a 'world-class' engineering student would want to be:** A world-class engineering student would never procrastinate on his/her work and would always seek out help if need. They would definitely work with others and would be reluctant to change. They continue to believe in themselves at all times and never think they are lesser just because of a mistake.

- C. **What I need to do to move from where I am to where I need to be as a 'world-class' engineering student:** I already believe that I am great and I continue to believe in myself no matter what. I do need to stop procrastinating so much and need to work on handling failure better. I also need to be more open to working with people and be more open to change.

IV. Changing our Behaviors

- A. **Where am I?:** Right now I don't devote a lot of time to studying. Most of the time I won't pick up the textbook. However, when I do study I have good studying methods such as color coding and I use the Cornell Note system. After class is over and I'm done with my homework I usually don't do anything related to the class anymore.
- B. **Where a 'world-class' engineering student would want to be:** A world-class engineering student would make sure they create adequate time to study for class. Take time to practice before class starts and complete the assignment the class before. Along with this, they would have great studying practices and make sure that they give enough time to themselves to study for a quiz or exam.
- C. **What I need to do move from where I am to where I need to be as a 'world-class' engineering student:** The things I need to do include making more time to study for things such as exams and tests. Along with this, I need to make adequate time to study for class and make sure I'm prepared for the next lecture and need to give myself enough time to do homework so if I have questions I have a chance to ask them.

V. Understanding your Learning Styles

- A. Where am I?:** I already know that I am a visual learner and I have to be shown how to do something in order for me to grasp it. I usually have a hard time in classes that aren't process or step-by-step based, but I have worked on finding ways for me to understand how to turn these subjects into a process. Either that or I will go to tutoring for one-on-one help with the teacher.
- B. Where a 'world-class' engineering student would want to be:** A world-class engineering student would make sure they understand the way they learn and try to apply to other classes. For those that it cannot be applied to they would seek out help or try to find a method that works for them. Along with this, they would make sure they don't get frustrated if they don't get it the first time.
- C. What I need to do to move from where I am to where I need to be as a 'world-class' engineering student:** I need to continue to adjust my learning style to a way that works for me. I also need to make sure that I don't get frustrated if I don't get it the first time.

VI. Summary:

During my time in this class, I have found it to be quite useful in my endeavors. One thing I took from the class was the Learning Styles and how we need to adjust them to fit what we need to do. This project was also something that benefitted me. It helped me see where I am at and how I need to strive to do better in the areas I am lacking. Along with this, it allows me to see what I need to do to become the best engineering student I can be. This class also showed me how to deal with the thought of

failing and let me know that it is OK to fail and that as long as you get back up and continue to strive for your goals everything will be fine. As I continue on in my collegiate journey I want to make sure I keep this "roadmap" near because it could be quite useful.

AVERAGE

Becoming World-Class Engineering Student

90% Avg
Short 4 pages

1. Establishing Goals

- a. **Where am I?** My major goal is to graduate with my Bachelor of science in electrical engineering degree and go to the military. My short term goals to reach my long term goal are (1)Paying attention in each class and soaking in everything my professor tells me. (2) Constantly taking notes and studying the notes I took.(3) Don't wait until the last minute to complete assignments.
- b. **Where a world class engineering student would want to be.** A world class engineering student would always be organized, having everything together and have a system for how he/she works. Also they would be prepared for all their classes.
- c. **What i need to do to move from where i am to where i need to be as a world class engineering student.** The thing that will be needed to change is being more organized, also how I look at things. From taking things more serious to being less distracted.

2. Strong Commitment

- a. **Where am i?** I am halfway committed, I study from time to time in the free time I have.
- b. **Where a world class Engineering student would be.** A world class engineering student will be totally committed to graduating with their degree. From studying all the time to have connections and practicing the work out of class.
- c. **What I need to do...** Things I need to do to be committed like a world class engineering student are research ways to practice what i learned in class. Also studying and being more attentive in class will help me reach that level.

3. Attitude

- a. **Where am i?** My attitude about how I do things is usually alone or I rather work by myself. However I am flexible to work with anyone.
- b. **Where a world class engineering student would be.** The attitude of a world class student would be able to adjust to many situations. That person is also open to ideas to better understand a topic. A world class student will not procrastinate and do work before the due date.

- c. **What I need to do...** Things I need to change about my attitude so I can become a world class engineering student are being more open and looking to improve myself by picking the brains of others around me. Also I would change how I look at myself.

4. Behaviors

- a. **Where am I?** The habits that are for my success that i do are after each class i go over the information that was covered that day
- b. **Where a world class engineering student would be.**
A world class student would have great habits of having time set aside to study or just do his work as soon as he/she received it. Also that person would have a habit of getting to know all his teachers and building a relationship with them.
- c. **What i need to do...**
To become a world class student i will need to be more social with all my teachers building better habits. Also I need to study more and create an appointed schedule to study and practice what I learned.

5. Learning styles

- a. **Where am I?** My learning style now is hands on or in person, or i can learn from watching and rewatching a video of given information.
- b. **Where a world class student would be.** The learning styles of a world class student would be flexible.
- c. **What i need to do...**
The learning styles I need to be able to adapt to are learning from just reading information. Learning from all types of sources will help me achieve what I need to.

6. The information I learned from the class helped me alot. It showed me several proper things I need to do to be the best version of myself I can be. The class with Kirby also showed me what I need to do and the proper way to become an engineer. This project will help me with my college experience by showing me the correct things to do to succeed. From changing certain habits to changing the mindset of how I'm gonna carry myself. This project also helped me know how to be more organized.

BELOW AVERAGE

1. Establishing Goals

My main goal is to graduate with a degree in engineering with a 3.5 GPA. My plan is to graduate in 2024 with a Bachelor's Degree in Chemical Engineering. My short term objectives to achieve my main goal are to. Make sure that this is the major I want and make sure I am going to be dedicated to this major. Have Honor Roll each semester, Never miss class, Have my assignments completed and turned in early, To graduate with all my credit hours and to graduate on time. I would take advantage of this opportunity to change and correct those mistakes for the best. Also I wouldn't let anybody get in my way or bribe me from completing my goal and what I been working hard for. The things I need to change start with my mind set or point of view. Also I need to make sure this is the major I want and make sure I am going to be dedicated to this. Then I need Attend all classes on time, complete assignments early, and learn as much as I can after each class. Study each day and try my hardest on every exam like its my last.

2. Developing a strong commitment to graduate in engineering

I will always have the time and energy to be prepared and ready to go everyday in class. What success in engineering study will do to enhance your quality of life. I would Participate in every hands on experiential learning opportunity that a balanced schedule allows. This way I would have something unique to show a prospective employer when i graduate while other students will only be able to list their courses. In addition, I'll be far more likely to retain the knowledge I have gained in classes because I'll be applying it and, in the process boosting my communication and interpersonal skills. Throughout my career i can be sure I'll work in teams, and the skills you develop in school will help prepare you to lead teams when you graduate. As with any skill leadership needs constant improvement. When I am part of a team I'll try to create a way to get feedback from team members, group leaders, and professors. When you have concrete feedback on how people view you, you can work to improve your skills, including communication and leadership. I would have a plan for each semester to do better then I did the last semester.

3. Changing your attitudes (your thoughts) to those appropriate for success in STEM coursework

I believe I am very confident with certain things but at the same time some things I'm not. I have a very good attitude and I am very respectful. I believe that can get me very far in the engineering carrer. My study with my peers will be occasionally. I do procrastinate and I think I be having a lot of time to do a assignment until it's time to do it then im rushing to turn in the assignment and I know that's not good that's something I will have to change. Yes I will need help but on the other hand I will have to do some things on my own. I wouldn't have negative comments to say to authority or will I perform negative actions.

4. Changing your behaviors (your actions, habits or what you do) to those appropriate for success in engineering and computer science

The habits I would like to change is procrastinating and thinking I can get away with halfway doing my work and not giving my full effort. Once I stop doing them things then I will be a perfect intern. I feel like I need to start taking at least 2-3 hours out of my day every day to study. And with Lectures I feel like I can be better if I continue to go over it more the one time. Lectures I'm not that bad at them I get a little nervous when speaking in front of large crowds and be skipping over my words but I can get better by practicing. I am always prepared for exams and I always complete my assignments before the due date.

5. Understanding your learning style

The learning process can work for me if I do hands on assignments and participate physically. I cant do engineering virtual because it's a lot of things we have to learn like different formulas and numbers so I prefer to be in person. Also I am a observer when it comes to learning new things. And I am good at listening. Some things that we learn may take me a couple day's or probably week's but I will get it down.

6. Summary

This project helped me and now I know that I have a goal and **im** going to be dedicated and take to take this Chemical engineering major serious so I can graduate with all my credit hours and graduate with a 3.5 gpa. It also showed me that I have priorities and that's to wake up everyday and be on time for class, make sure all my assignments are turned in on time, Be on the honor roll list, and never miss a day of class. Also it showed me what my weaknesses is and now I have to work on them so I can make them a strength.

Assignment from GNEG 1100

Resume Assignment

Please read the instructions carefully. There is a lot to go over, but this is the single most important document for your career. It is worth the time and effort.

Instructions

You will need to create a resume from scratch and submit it as a Word document.

Below are some basic guidelines.

1. Do NOT use a template
2. Must use Times New Roman font
3. The smallest font size allowed is 12
4. No margins below .5
5. Only 1 font color is allowed (black)
6. You should only include College level education (anything from an Associate Degree level upwards)
7. This document **can only be 1 page**
- a. Be careful- **even a blank 2nd page is unacceptable**
8. There should not be anything in the header or footer of the document
9. The entire document should be either single spaced or double spaced
10. Good formatting is a must
- a. A blank line of space between each major section
- b. A blank line of space between each job/volunteer experience
- c. No paragraphs
- d. No bullet points longer than 2 lines
- e. No cliffhangers (aka one or two words hanging below a full sentence)
- f. Good punctuation, grammar, and spelling are a must
- g. Consistency (ex: if you have periods at the end of most bullet point sentences, then all of them must have periods at the end of them or vice-versa)
- h. Do not include a summary, objective statement, or mission/personal statement
- i. Skills listed under a Skills section should only be hard skills. No soft skills listed in that section (ex: do not include “leadership”, “fast learner”, “time management”, etc.)
- j. Job/volunteer/leadership headings should have the below format:

Organization/Company Name	Location (City, State)
Your Title	Dates

- k. Education should have the below format:

School Name, Location (City, State)	Expected Graduation Date
Degree Name Spelled Out	GPA

Rubric

Point Deductions

1. 5% will be deducted for each grammar, spelling, or punctuation error
2. 5% will be deducted for each inconsistency (aka you had all periods but missed adding one on a bullet point)
3. 5% will be deducted for each cliffhanger
4. 5% will be deducted each time you write a paragraph instead of a bullet pointed sentence
5. 5% will be deducted for each job/volunteer/leadership role not using the above format for the heading
6. 10% will be deducted if you do not use the above format for education
7. 10% will be deducted if you add a summary, objective, or mission/personal statement
8. 5% will be deducted if you add high school education
9. 10% will be deducted if you use a different font color
10. 5% will be deducted if you use a different font style than Times New Roman
11. 5% will be deducted for each blank space you should have added between sections or jobs
12. 5% will be deducted for each soft skill added under the Skills section
13. 5% will be deducted if you use margins any smaller than .5
14. 5% will be deducted if you use any other spacing format than single or double
15. 100% will be deducted if you use a template (aka you will get a zero)
16. 50% will be deducted if you have more than 1 page (and that includes a blank 2nd page)

Above Average

100%: Full page with good content and relevance.

TKAI PERRY

Cell Phone: (210) 931-7238
Email: konceitedkai@gmail.com

232 Heavenly View
Cibolo, TX 78108

EDUCATION

San Antonio College, San Antonio, TX	Graduated 2020
Information Technology & Security Academy (ITSA)	GPA: 3.5
• Relevant Courses: ○ Intro to PC Operating Systems ○ Personal Computer Hardware ○ Fundamentals of Networking Technologies ○ Personal Computer Help Desk Support	
Prairie View A&M University, Prairie View, TX	Expected Graduation 2024
Bachelor of Science in Computer Science	GPA: 3.0

CERTIFICATIONS

- TestOut PC Pro Certification
- TestOut Network Pro Certification
- Level I Certificate of Completion, Computer Desktop Support Technician

WORK EXPERIENCE

University Health System	San Antonio, TX
IT Department Intern	June – August 2019
• Replaced 80% of the hospital's monitors in preparation for a Windows 10 rollout • Repaired desktop computers power supplies, hard drives, and other hardware components • Wiped hard drives and provided clean installations of Windows 8 and Windows 10 • Configured iPads	

SKILLS

- | | |
|------------------------------------|--------------|
| • Building and Repairing Computers | • Python |
| • IT Support/Help Desk | • Data Entry |

Average

80% Good format and adequate content.

Joseph Lemelle

Cell Phone: 713-584-9617

Email: jlemelle1@student.pvamu.edu

567 Sesame Street

Houston, TX, 77015

Education

Prairie View A&M University, Prairie View, TX
Bachelor of Science in Computer Engineering

Expected Graduation 2024
GPA 3.5

Work Experience

Chick-fil-A Restaurant
Cashier and Maintenance

Houston, TX
08/2019 - Present

- [Processed](#) sales transactions utilizing a retail point of sale system (POS)
- General front of house maintenance and restoration

Relevant Courses

- Computer Applications in Engineering
- Electrical and Computer Engineering Laboratory

Skills

- Coding in multiple languages including C++
- Animating using various software applications including Adobe [animate](#)
- [Customer service](#)
- [Proficient](#) in Microsoft [office](#) (Excel, PowerPoint, etc.)

Below Average

70 % Format and lack of information.

Jovvani Figueroa

126 Mt Shasta St

Dallas, Texas 75211

(972)-765-3273

Jfigueroa1@student.pvamu.edu

-Skills-

Computer Skills

Presentation Skills

-Education-

Sunset High School, Dallas, Texas 2020

Prairie View A&M University 2024

3.5 GPA

-Experience-

Construction 2 yrs. 2014-2016

Air Conditioning 4 yrs. 2016-2020