Senior Seminar

EGY 499.I50

Number of Credits: 3

Days Class Meets: TBD

Meeting Times: TBD

1/10/2022 – 2/27/2022

Location/Venue: JetNet, online

Instructor: Eddie Burkhead

Contact Phone: phone

Contact Email: BurkheaEdwardL@jccmi.edu

Online Office Hours: Tuesday, Thursday, 12 am to 6 pm

Course Description
This course is the capstone experience for the Bachelors of Science Degree in Energy Systems Management. The course centers around an energy related capstone project, which may be community-based, industry-based, or student created. Students will draw upon their previous coursework, synthesize skills, knowledge, and experience, and demonstrate their potential to make a positive difference in the industry or community.

Prerequisite(s)
STM 401, EGY 380/399,

Course Goals
To pursue a particular interest further through the undertaking of a project

Course Objectives
Students will design a project related to their interests in the field

Students will research related writings, designs, and other published material related to their project

Students will complete their final project

Textbook (chose appropriate options below, delete what does not apply)

- None

[Learn about the new textbook program at JC](#)

For account billing questions, please contact the Jackson College Cashier at jccashier@jccmi.edu

☐ **Open Educational Resources (OER):** OERs are teaching, learning, and research materials that are either (a) in the public domain or (b) licensed in a manner that provides everyone with *free permission* to:

- Retain – make, own, and control a copy of the resource

- Reuse – use your original, revised, or remixed copy of the resource publicly
- Revise – edit, adapt, and modify your copy of the resource

- Remix – combine your original or revised copy of the resource with other existing material to create something new

- Redistribute – share copies of your original, revised, or remixed copy of the resource with others

X **No Textbook Required:** If no textbooks are *required,* Other material or course fees may still apply.

Extras

Grading Procedure

The entirety of the grade for this class is based on successfully completing the capstone project. Students should choose a project in consultation with their professor. It may be related to design, programming, or any aspect of the energy industry and its related industries.

Students may write a research paper (3500 to 5000 words), build something, program something, or do something else entirely, so long as they consult their instructor first.

Grading Scale

GPA	GRADE RANGE
4.0	94-100%
3.5	89-93%
3.0	84-88%
2.5	78-83%
2.0	72-77%

GPA	GRADE RANGE
1.5	66-71%
1.0	60-65%
0.5	55-59%
0.0	0-54%

Failure

Any grade under 2.0 is failing

Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

Plagiarism

Plagiarism is defined as the failure to give credit for the use of material from outside sources. Plagiarism includes but is not limited to:

- Submitting other's work as your own

- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation

- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

Cheating

Cheating is defined as obtaining answers/material from an outside source without authorization. Cheating includes, but is not limited to:

- Plagiarizing in any form

- Using notes/books/electronic material without authorization

- Copying

- Submitting others' work as your own or submitting your work for others

- Altering graded work

- Falsifying data

- Exhibiting other behaviors generally considered unethical

- Allowing your work to be submitted by others

Accessibility

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed

to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the [Jackson College accessibility web page](#).

If you have an accessibility need in any of our classes please e-mail the Center for Student Success at JCCSS@jccmi.edu or visit the [Center for Student Success web page](#).

Support

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

Oasis Center

During a student's college experience, one might encounter situations that impact their learning environment. When these situations occur, support from the Oasis Center is available to provide short-term assistance. If the situation requires ongoing support, the Oasis Center staff can provide that level of support or will assist the individual in securing an outside agency to provide it.

For more information visit the Jackson College Oasis Center webpage https://www.jccmi.edu/the-oasis-center/

Health Clinic

Jackson College has partnered with Henry Ford Allegiance Health to offer healthcare to Jackson College students and employees. The Jackson College Health Clinic (JCHC) is located on Central Campus in the Justin Whiting Hall, Room 111. The caring and professional staff at the JCHC provides quality healthcare, including annual exams (physicals, program physicals and sports physicals), acute and chronic illness care and preventative health care (It's Your Life).

For more information visit the Jackson College Health Clinic webpage https://www.jccmi.edu/health-clinic/

Dental Clinic

Community members may utilize Jackson College Dental Hygiene Clinic, which offers dental hygiene services while helping students gain experience. Students work under the supervision of license dental hygiene instructor and dentist as they offer preventative services.

For more information visit the Jackson College Dental Clinic webpage https://www.jccmi.edu/dental-hygiene/dental-hygiene-dental-clinic/

Makeup Policy
All work is due at the end of class. Projects and exercises may be resubmitted for a better grade.

Academic Advising

Student success navigators serve not only as academic advisors but as a student's academic, financial, and total resource advocate or coach.

Students will have an assigned navigator to meet with for advising and any questions they may have. Navigators will serve as the "go-to" person to help students throughout the college experience.

It is important to know your Student Success Navigator. You may find your Navigator by visiting this website https://www.jccmi.edu/academics/academic-advising/ and click on your pathway. You should also receive an email from your Navigator at the beginning of the semester.

Student Responsibilities
Students should communicate regularly with instructor

Attendance- Participation Policy
Regular class participation and keeping up on the reading and assignments is strongly correlated with survival in college. It is my recommendation that you plan to do your assignments and take your exams BEFORE the last day they are due. If problems occur, there is time to fix them before the deadline.

In compliance with Federal Title IV funding requirements, as well as college initiatives, I will be monitoring student participation on a regular basis and officially reporting student activity throughout the term to assure compliance with college policy and federal regulations. It is imperative that you log in to the course and actively participate *within the first couple of days of the term* to validate your enrollment in the course. After that, not actively participating in class may result in you being withdrawn from the course. Being withdrawn from a course can have an impact on financial aid, billing, athletic eligibility, and housing status. As a college student you are responsible for how your participation impacts your academic progress; the accountability lies with you.

Caveat
Please note: The format and timing of this course may need to change due to unforeseen circumstances. In particular: school closings, instructor illness, weather, or other situations that may arise.
If you are taking an in -person class, you will be required to complete a Reintegration Video Training course in JetNet prior to being admitted to campus.
All COVID safety protocols in place are based on current guidelines and will be enforced while students are on campus.

Calendar
A partial or complete list of dates or class periods for the course. Within the calendar on specific days are:
Assignments, readings, homework, exercised, performances, quizzes, topics, subject matter, skills,

chapter titles, discussion topics, tests, comprehensive exams, due dates for major papers or performances. Add or remove columns as necessary to suit your course.

Also include a statement that calendar timelines and assignments are an approximation and could be changed.

WEEK #	DATE	TOPIC	HOMEWORK
1	1/10/22		
2	1/17/22		
3	1/24/22		
4	1/31/22		PROJECTS SHOULD BE CHOSEN BY END OF WEEK
5	2/7/22		
6	2/14/22		
7	2/21/22		PROJECTS DUE

Important Dates:

MONDAY 03/07/2022-FRIDAY 03/11/2022	MID-SEMESTER BREAK-NO CLASSES
Sunday 04/30/2022	End of Semester