Cover Sheet: Request 15670

ESI 4611 – Advance Data Analytics

Info

Process	Course|New|Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Serdar Kirli kirli@ise.ufl.edu
Created	1/8/2021 10:31:30 PM
Updated	3/9/2021 7:31:52 AM
Description of request	New course request

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	ENG - Industrial and Systems Engineering 19060000	David Kaber	I have reviewed and approve of this new course request.	1/11/2021
Advanced Data Analytics.pdf					1/8/2021
College	Approved	ENG - College of Engineering	Heidi Dublin	Approved by the HWCOE Curriculum Committee and Faculty Council.	2/11/2021
No document changes					
University Curriculum Committee	Conditionall Approved	PV - University Curriculum Committee (UCC)	Casey Griffith	Pending updates discussed at February UCC	2/19/2021
No document changes					
College	Conditionall Approved	ENG - College of Engineering	Heidi Dublin	Apply updates discussed at the February UCC meeting.	3/1/2021
No document changes					
Department	Approved	ENG - Industrial and Systems Engineering 19060000	Casey Griffith		3/8/2021
Advanced Data Analytics_Rubric.docx					3/8/2021
College	Approved	ENG - College of Engineering	Heidi Dublin		3/9/2021
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			3/9/2021
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					

Step	Status	Group	User	Comment	Updated
No document changes					
College Notified					
No document changes					

Course|New for request 15670

Info

Request: ESI 4611 – Advance Data Analytics
Description of request: New course request
Submitter: Serdar Kirli kirli@ise.ufl.edu
Created: 1/8/2021 10:11:03 PM
Form version: 1

Responses

Recommended Prefix
Enter the three letter code indicating placement of course within the discipline (e.g., POS, ATR, ENC). Note that for new course proposals, the State Common Numbering System (SCNS) may assign a different prefix.

Response:
ESI

Course Level
Select the one digit code preceding the course number that indicates the course level at which the course is taught (e.g., 1=freshman, 2=sophomore, etc.).

Response:
4

Course Number
Enter the three digit code indicating the specific content of the course based on the SCNS taxonomy and course equivalency profiles. For new course requests, this may be XXX until SCNS assigns an appropriate number.

Response:
611

Category of Instruction
Indicate whether the course is introductory, intermediate or advanced. Introductory courses are those that require no prerequisites and are general in nature. Intermediate courses require some prior preparation in a related area. Advanced courses require specific competencies or knowledge relevant to the topic prior to enrollment.

Response:
Advanced

• 1000 level = Introductory undergraduate
• 2000 level = Introductory undergraduate
• 3000 level = Intermediate undergraduate
• 4000 level = Advanced undergraduate
• 5000 level = Introductory graduate
• 6000 level = Intermediate graduate
• 7000 level = Advanced graduate
• 4000/5000= Joint undergraduate/graduate
• 4000/6000= Joint undergraduate/graduate

**Joint undergraduate/graduate courses must be approved by the UCC and the Graduate Council)*

Lab Code
Enter the lab code to indicate whether the course is lecture only (None), lab only (L), or a combined lecture and lab (C).

Response:
None

Course Title
*Enter the title of the course as it should appear in the Academic Catalog. There is a 100 character limit for course titles. *

Response:
Advanced Data Analytics

Transcript Title
Enter the title that will appear in the transcript and the schedule of courses. Note that this must be limited to 30 characters (including spaces and punctuation).

Response:
Advanced Data Analytics

Degree Type
Select the type of degree program for which this course is intended.

Response:
Baccalaureate

Delivery Method(s)
Indicate all platforms through which the course is currently planned to be delivered.

Response:
On-Campus

Co-Listing
Will this course be jointly taught to undergraduate, graduate, and/or professional students?

Response:
No

Effective Term
Select the requested term that the course will first be offered. Selecting "Earliest" will allow the course to be active in the earliest term after SCNS approval. If a specific term and year are selected, this should reflect the department's best projection. Courses cannot be implemented retroactively, and therefore the actual effective term cannot be prior to SCNS approval, which must be obtained prior to the first day of classes for the effective term. SCNS approval typically requires 2 to 6 weeks after approval of the course at UF.

Response:
Fall

Effective Year
Select the requested year that the course will first be offered. See preceding item for further information.

Response:
2021

Rotating Topic?
Select "Yes" if the course can have rotating (varying) topics. These course titles can vary by topic in the Schedule of Courses.

Response:
No

Repeatable Credit?
Select "Yes" if the course may be repeated for credit. If the course will also have rotating topics, be sure to indicate this in the question above.

Response:
No

Amount of Credit
Select the number of credits awarded to the student upon successful completion, or select "Variable" if the course will be offered with variable credit and then indicate the minimum and maximum credits per section. Note that credit hours are regulated by Rule 6A-10.033, FAC. If you select "Variable" for the amount of credit, additional fields will appear in which to indicate the minimum and maximum number of total credits.

Response:
3

S/U Only?
Select "Yes" if all students should be graded as S/U in the course. Note that each course must be entered into the UF curriculum inventory as either letter-graded or S/U. A course may not have both options. However, letter-graded courses allow students to take the course S/U with instructor permission.

Response:
No

Contact Type
Select the best option to describe course contact type. This selection determines whether base hours or headcount hours will be used to determine the total contact hours per credit hour. Note that the headcount hour options are for courses that involve contact between the student and the professor on an individual basis.

Response:

Regularly Scheduled

• Regularly Scheduled [base hr]
• Thesis/Dissertation Supervision [1.0 headcount hr]
• Directed Individual Studies [0.5 headcount hr]
• Supervision of Student Interns [0.8 headcount hr]
• Supervision of Teaching/Research [0.5 headcount hr]
• Supervision of Cooperative Education [0.8 headcount hr]

Contact the Office of Institutional Planning and Research (352-392-0456) with questions regarding contact type.

Weekly Contact Hours
Indicate the number of hours instructors will have contact with students each week on average throughout the duration of the course.

Response:
3

Course Description
Provide a brief narrative description of the course content. This description will be published in the Academic Catalog and is limited to 500 characters or less. See course description guidelines.

Response:
Second course in the data analytics ISE sequence that focuses on how and why algorithms work using an application-oriented approach. Studies advanced analytical and learning models that enhance decision making by converting data to information. Provides insights into how to choose the most effective tool for implementing a specific model.

Prerequisites
Indicate all requirements that must be satisfied prior to enrollment in the course. Prerequisites will be automatically checked for each student attempting to register for the course. The prerequisite will be published in the Academic Catalog and must be formulated so that it can be enforced in the registration system. Please note that upper division courses (i.e., intermediate or advanced level of instruction) must have proper prerequisites to target the appropriate audience for the course.
Courses level 3000 and above must have a prerequisite.
Please verify that any prerequisite courses listed are active courses.

Response:
ESI4610 (C) - a request for this course has recently been approved by the UCC

Completing Prerequisites on UCC forms:

• Use "&" and "or" to conjoin multiple requirements; do not used commas, semicolons, etc.
• Use parentheses to specify groupings in multiple requirements.
• Specifying a course prerequisite (without specifying a grade) assumes the required passing grade is D-. In order to specify a different grade, include the grade in parentheses immediately after the course number. For example, "MAC 2311(B)" indicates that students are required to obtain a grade of B in Calculus I. MAC2311 by itself would only require a grade of D-.
• Specify all majors or minors included (if all majors in a college are acceptable the college code is sufficient).
• "Permission of department" is always an option so it should not be included in any prerequisite or co-requisite.
• If the course prerequisite should list a specific major and/or minor, please provide the plan code for that major/minor (e.g., undergraduate Chemistry major = CHY_BS, undergraduate Disabilities in Society minor = DIS_UMN)

Example: A grade of C in HSC 3502, passing grades in HSC 3057 or HSC 4558, and undergraduate PBH student should be written as follows: HSC 3502(C) & (HSC 3057 or HSC 4558) & UGPBH

* *

Co-requisites
Indicate all requirements that must be taken concurrently with the course. Co-requisites are not checked by the registration system. If there are none please enter N/A.

Response:
N/A

Rationale and Placement in Curriculum
Explain the rationale for offering the course and its place in the curriculum.

Response:
This request is in conjunction with a major curriculum revision request being reviewed by the UCC.
This course will be one of the restricted electives within the Operations Research and Data Analytics focus area in the revised curriculum (effective fall 2021). It expands on the topics covered in its pre-requisite course (ESI4610 - Introduction to Data Analytics).

Course Objectives
Describe the core knowledge and skills that student should derive from the course. The objectives should be both observable and measurable.

Response:
At the conclusion of this course, students will be able to:
- Categorize and assess supervised and unsupervised learning algorithms.
- Develop hands-on experience utilizing Python and SQL to manage data and apply proper models
- Predict when to use regression, classification, tree-based models and clustering to analyze data.
- Understand how to select appropriate features of raw data using resampling methods.
- Evaluate the performance of the models and analytical.

Course Textbook(s) and/or Other Assigned Reading
*Enter the title, author(s) and publication date of textbooks and/or readings that will be assigned. Please provide specific examples to evaluate the course and identify required textbooks. *

Response:
Lecture notes (posted online on Canvas)
Supplemental reading will be provided.

Recommended Textbooks
An Introduction to Statistical Learning: With Applications in R by Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani. You can download the textbook from this link.
o Github resource with all activities from this book in python https://github.com/JWarmenhoven/ISLR-python
Foundations of Data Science (FDS) by A. Blum, J. Hopcroft and R. Kannan.
Computational and Inferential Thinking by Ani Adhikari and John DeNero.
Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython by Wes McKinney, 2018 2nd Edition, ISBN: 9781491957660

Required Software
Jupyter Notebook

Weekly Schedule of Topics

Provide a projected weekly schedule of topics. This should have sufficient detail to evaluate how the course would meet current curricular needs and the extent to which it overlaps with existing courses at UF.

Response:

Week	Topic	Assignment
1	Intro to Learning Models	
2	Using Learning models in informed styles	HW 1
3	Regression	
4	Model Selection and Regularization	HW2
5	Classification Models: Supervised	Exam 1
6	Classification Models: Supervised	Project Teams Formed
7	Classification Models: Supervised	
8	Tree Based Models	HW 3, Project Proposal
9	Tree Based Models	
10	Neural Networks	Exam 2
11	Measures of success (SL)	
12	Verification and Validation	
13	Clustering: Unsupervised	
14	Data Visualization Tools	HW4
15	Project Work	Final Project

Grading Scheme

List the types of assessments, assignments and other activities that will be used to determine the course grade, and the percentage contribution from each. This list should have sufficient detail to evaluate the course rigor and grade integrity. Include details about the grading rubric and percentage breakdowns for determining grades. If participation and/or attendance are part of the students grade, please provide a rubric or details regarding how those items will be assessed.

Response:

Your grade will be based on two during-term exams, a team project, four home-works and several in-class activities.

Assignment	Percentage of Final Grade
HW (4)	20%
In-Class Activities	10%
Exams (2)	40%
Final Project	30%

In-class activities will be assigned approximately once per week to reinforce concepts covered in class and to provide hands-on experience. You will work in groups of 2 to 3 and will be able to use your notes and get help from the instructor and the TAs.

There are 4 homework assignments that build on in-class assignments. Homework assignments are individual assignments; collaboration is not permitted.

You will also work on a data analytics team project to practice the skills learned during the class. The goal of the project is to go through the complete data analytics process to answer questions about a topic of your own choosing. The project work consists of the following stages: data acquisition, visualization, data analysis, and presentation of results.

The project is a team assignment; you will be a part of a team of 3 to 4 students. There are

several graded deliverables that will make up your final project score:

1. Project proposal (Word or PDF file)
2. Final Project Report (Word or PDF file)
3. Project Presentation (ppt file)
4. Code (ipynb file)

Projects teams will be formed right after the first exam. Each team will develop a proposal that will be due in week 8. Students will be provided with a template for the final report and rubrics for each deliverable.

Instructor(s)

Enter the name of the planned instructor or instructors, or "to be determined" if instructors are not yet identified.

Response:
To be determined

Attendance & Make-up

Please confirm that you have read and understand the University of Florida Attendance policy.
A required statement statement related to class attendance, make-up exams and other work will be included in the syllabus and adhered to in the course. Courses may not have any policies which conflict with the University of Florida policy. The following statement may be used directly in the syllabus.

• Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Response:
Yes

Accomodations

Please confirm that you have read and understand the University of Florida Accommodations policy.
A statement related to accommodations for students with disabilities will be included in the syllabus and adhered to in the course. The following statement may be used directly in the syllabus:

• Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Response:
Yes

UF Grading Policies for assigning Grade Points

Please confirm that you have read and understand the University of Florida Grading policies.
Information on current UF grading policies for assigning grade points is require to be included in the course syllabus. The following link may be used directly in the syllabus:

• https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Response:

Yes

Course Evaluation Policy

Course Evaluation Policy
Please confirm that you have read and understand the University of Florida Course Evaluation Policy.
A statement related to course evaluations will be included in the syllabus. The following statement may be used directly in the syllabus:

• Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/public-results/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

* *

Response:
Yes

Advanced Data Analytics
ESI4611
Class Periods: MWF 3rd period
Location: TBD
Academic Term: Spring 2021

Instructor:
Name: TBD
Email: TBD
Office Phone Number: TBD
Office Location: TBD
Office Hours: TDB

Teaching Assistants:
TDB

Course Description
Second course in the data analytics ISE sequence that focuses on how and why algorithms work using an application-oriented approach. Studies advanced analytical and learning models that enhance decision making by converting data to information. Provides insights into how to choose the most effective tool for implementing a specific model.

Course Pre-Requisite
ESI4610 (Introduction to Data Analytics)

Course Objectives
At the conclusion of this course, students will be able to:
- Categorize and assess supervised and unsupervised learning algorithms.
- Develop hands-on experience utilizing Python and SQL to manage data and apply proper models
- Predict when to use regression, classification, tree-based models and clustering to analyze data.
- Understand how to select appropriate features of raw data using resampling methods.
- Evaluate the performance of the models and analytical.

Materials and Supply Fees
None.

Required Software
Jupyter Notebook

Recommended Textbooks
- An Introduction to Statistical Learning: With Applications in R by Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani. You can download the textbook from this link.
  - Github resource with all activities from this book in **python** https://github.com/JWarmenhoven/ISLR-python
- Foundations of Data Science (FDS) by A. Blum, J. Hopcroft and R. Kannan. You can download the latest-version of this text by clicking this link.

- Computational and Inferential Thinking by Ani Adhikari and John DeNero. The textbook can be found here.
- Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython by Wes McKinney
  - Date and Edition: 2018 2nd Edition
  - ISBN: 9781491957660
- Supplemental reading will be provided.
- Lecture notes (posted online in Canvas)

Professional Component (ABET):
This course supports the ISE undergraduate program educational objectives of producing graduates who

- "will be successful professionals using industrial and systems engineering skills",
- "can acquire advanced knowledge through continuing education or advanced degree programs"
- "can become active leaders in their profession and/or community"

Relation to Program Outcomes (ABET):

Outcome	Coverage
1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors	
3. An ability to communicate effectively with a range of audiences	
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts	Medium
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	High
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies	High

Attendance Policy, Class Expectations, and Make-Up Policy
Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Course Schedule

Week	Topic	Assignment
1	Intro to Learning Models	
2	Using Learning models in informed styles	HW 1
3	Regression	
4	Model Selection and Regularization	HW2
5	Classification Models: Supervised	Exam 1
6	Classification Models: Supervised	Project Teams Formed
7	Classification Models: Supervised	
8	Tree Based Models	HW 3, Project Proposal
9	Tree Based Models	
10	Neural Networks	Exam 2
11	Measures of success (SL)	
12	Verification and Validation	
13	Clustering: Unsupervised	
14	Data Visualization Tools	HW4
15	Project Work	Final Project

Evaluation of Grades

Your grade will be based on two during-term exams, a team project, four home-works and several in-class activities.

Assignment	Percentage of Final Grade
HW (4)	20%
In-Class Activities	10%
Exams (2)	40%
Final Project	30%
	100%

In-class activities will be assigned approximately once per week to reinforce concepts covered in class and to provide hands-on experience. You will work in groups of 2 to 3 and will be able to use your notes and get help from the instructor and the TAs.

There are 4 homework assignments that build on in-class assignments. Homework assignments are individual assignments; collaboration is not permitted.

You will also work on a data analytics team project to practice the skills learned during the class. The goal of the project is to go through the complete data analytics process to answer questions about a

topic of your own choosing. The project work consists of the following stages: data acquisition, visualization, data analysis, and presentation of results.

The project is a team assignment; you will be a part of a team of 3 to 4 students. There are several graded deliverables that will make up your final project score:

1. Project proposal (Word or PDF file)
2. Final Project Report (Word or PDF file)
3. Project Presentation (ppt file)
4. Code (ipynb file)

Projects teams will be formed right after the first exam. Each team will develop a proposal that will be due in week 8. Students will be provided with a template for the final report and rubrics for each deliverable.

Grading Policy

Percent	Grade	Grade Points
93.4 - 100	A	4.00
90.0 - 93.3	A-	3.67
86.7 - 89.9	B+	3.33
83.4 - 86.6	B	3.00
80.0 - 83.3	B-	2.67
76.7 - 79.9	C+	2.33
73.4 - 76.6	C	2.00
70.0 - 73.3	C-	1.67
66.7 - 69.9	D+	1.33
63.4 - 66.6	D	1.00
60.0 - 63.3	D-	0.67
0 - 59.9	E	0.00

More information on UF grading policy may be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Students Requiring Accommodations
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, https://www.dso.ufl.edu/drc) by providing appropriate

documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Course Evaluation
Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

University Honesty Policy
UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Commitment to a Safe and Inclusive Learning Environment
The Herbert Wertheim College of Engineering values broad diversity within our community and is committed to individual and group empowerment, inclusion, and the elimination of discrimination. It is expected that every person in this class will treat one another with dignity and respect regardless of gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture.
If you feel like your performance in class is being impacted by discrimination or harassment of any kind, please contact your instructor or any of the following:
• Your academic advisor or Graduate Program Coordinator
• Robin Bielling, Director of Human Resources, 352-392-0903, rbielling@eng.ufl.edu
• Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, taylor@eng.ufl.edu
• Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, nishida@eng.ufl.edu

Software Use
All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Campus Resources:
Health and Wellness
U Matter, We Care:

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Counseling and Wellness Center: http://www.counseling.ufl.edu/cwc, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Discrimination, Harassment, Assault, or Violence
If you or a friend has been subjected to sexual discrimination, sexual harassment, sexual assault, or violence contact the Office of Title IX Compliance, located at Yon Hall Room 427, 1908 Stadium Road, (352) 273-1094, title-ix@ufl.edu

Sexual Assault Recovery Services (SARS)
Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or
http://www.police.ufl.edu/.

Academic Resources
E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. https://lss.at.ufl.edu/help.shtml.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.
https://www.crc.ufl.edu/.

Library Support, http://cms.uflib.ufl.edu/ask. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.
https://teachingcenter.ufl.edu/.

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.
https://writing.ufl.edu/writing-studio/.

Student Complaints Campus: https://care.dso.ufl.edu.

On-Line Students Complaints: http://www.distance.ufl.edu/student-complaint-process.

Student Privacy
There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: https://registrar.ufl.edu/ferpa.html

In-Class Activity Rubric

Points	1	2	3	4		5
	None of the questions have been answered or attempted	Most of the questions have incomplete or incorrect answers	Half of the questions have correct and complete answers	Most of the questions have correct and complete answers		All questions have correct and complete answers

Each group must submit their work by the end of the class and a single grade will be assigned to each individual in the group based on the rubric.