

Cover Sheet: Request 14473

CIS 4XXX – CS Teaching & Learning

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Jeremiah Blanchard jblanch@cise.ufl.edu
Created	11/22/2019 1:48:46 PM
Updated	3/15/2021 1:38:41 PM
Description of request	This is a request for a new course code / course in CISE for the "CS Teaching & Learning" course

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	ENG - Computer and Information Science and Engineering 19140000	Arunava Banerjee		12/3/2019
No document changes					
College	Conditionally Approved	ENG - College of Engineering	Heidi Dublin	Update course eval link to gator evals. Put in a sentence explaining pre-class tasks. Explain class participation. Update attendance policy-- use college template	2/28/2020
CS uccconsult.pdf					
Department	Approved	ENG - Computer and Information Science and Engineering 19140000	Christina Gardner-McCune	The requested changes were made. This should satisfy the terms of the conditional approval.	2/25/2021
CS Teaching & Learning - Syllabus (Submission) (Updated).docx					
College	Approved	ENG - College of Engineering	Heidi Dublin		3/15/2021
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			3/15/2021
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					
No document changes					
College Notified					

Step	Status	Group	User	Comment	Updated
No document changes					

Course|New for request 14473

Info

Request: CIS 4XXX – CS Teaching & Learning

Description of request: This is a request for a new course code / course in CISE for the "CS Teaching & Learning" course

Submitter: Jeremiah Blanchard jblanch@cise.ufl.edu

Created: 2/27/2020 2:40:46 PM

Form version: 6

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:
CIS

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:
XXX

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.

Response:

CS Teaching & Learning

Transcript Title

Enter the title that will appear in the transcript and the schedule of courses. Note that this must be limited to 21 characters (including spaces and punctuation).

Response:

CS Teaching Learning

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:

Earliest Available

Effective Year

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

Response:
Earliest Available

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:
Variable

If variable, # min

Response:
0

If variable, # max

Response:
1

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:

1

Course Description

Provide a brief narrative description of the course content. This description will be published in the Academic Catalog and is limited to 50 words or fewer. See course description guidelines.

Response:

Covers basic pedagogy, especially as it relates to computer science and engineering. We will cover three fundamental elements in education – learning environment, educational theory, and educational practice – as well as approached to engineering-specific training.

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.

Response:

COP3502

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

<https://mediasite.video.ufl.edu/Mediasite/Play/2cb417fc5f7f43a4b15e38a668605fa61d>
<https://www.youtube.com/watch?v=7P0iP2Zm6a4>
<https://www.youtube.com/watch?v=1oVs3Uxv7SM>
<https://mediasite.video.ufl.edu/Mediasite/Play/8f87630efcb246bea67f1d75d0496a5e1d>
<https://mediasite.video.ufl.edu/Mediasite/Play/f228a8b5b96e4a15a8ab6d80880644571d>
<https://www.ijee.ie/articles/Vol20-2/IJEE1458.pdf>
https://www.psychologicalscience.org/teaching/tips/tips_0301.html

Additional resources available.

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:

- Diversity, Equity, & Inclusion (1 week)
- Stereotypes & Stereotype Threat (1 week)
- Persuasion in the Classroom (1 week)
- Motivation & Bloom's Taxonomy (2 weeks)
- Development of Expertise (2 weeks)
- Building Rapport with Students (1 week)
- Assessments & Assignment Rubrics (2 weeks)
- Handling Student Frustrations (1 week)
- Using Teamwork in Education (2 weeks)
- Project-Based Learning (1 week)
- Communication Skills (1 week)

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:

In-Class Participation: 50%

--Student participation in in-class activities, discussions, and attendance (flipped classroom model)

Pre-Class Tasks: 25%

--Weekly units have a pre-class activity based on the readings and/or videos that students must complete prior to the scheduled class period

Quizzes (Weekly): 25%

--Each class meeting will have a short quiz based on the content of the videos / assigned readings and pre-class activities

Instructor(s)

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

Response:

Jeremiah Blanchard

Attendance & Make-up

Please confirm that you have read and understand the University of Florida Attendance policy.

A required 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.ua.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.ua.ufl.edu/public-results/>.

Response:
Yes

CS Teaching & Learning
 CIS 4XXX
Academic Term: Fall 2021
Class Period(s): Thurs 12:50pm-1:40pm

Instructor:

Jeremiah Blanchard
jib@eng.ufl.edu
 352-294-6643

Course Description

Covers basic methods & practices of teaching, especially as it relates to computer science and engineering. Content focuses on three fundamental elements in education – learning environment, educational theory, and educational practice – as well as approaches to engineering-specific training. Topics include effective student interaction, models of learning & expertise development, & how to implement techniques in the classroom. **(1 credit hour)**

Course Pre-Requisites / Co-Requisites

COP3502 – Programming Fundamentals I

Course Objectives

By the end of the semester, successful students should be able to...

- Describe how to address diverse student populations in a classroom and effectively engage them;
- Model student learning in order to address individual student needs and classroom requirements;
- Apply techniques that help guide students and make assessments of their progress;
- Facilitate student development of engineering related skills, including communication.

Required Textbooks and Software

There are no required materials for this course. All materials will be provided by the instructor. The College of Engineering requires students to have a mobile computing device (laptop).

Course Schedule

- Week 1: Introduction
- Week 2: Diversity, Equity, & Inclusion / PCT / Quiz / CA
- Week 3: Stereotypes & Stereotype Threat / PCT / Quiz / CA
- Week 4: Persuasion in the Classroom / PCT / Quiz / CA
- Week 5: Student Motivation / PCT / Quiz / CA
- Week 6: Bloom’s Taxonomy / PCT / Quiz / CA
- Week 7: Development of Expertise / PCT / Quiz / CA
- Week 8: Building Rapport with Students / PCT / Quiz / CA
- Week 9: Types of Assessments / PCT / Quiz / CA
- Week 10: Assignment Rubrics / PCT / Quiz / CA
- Week 11: Handling Student Frustrations / PCT / Quiz / CA
- Week 12: Teamwork in Education / PCT / Quiz / CA
- Week 13: Communication Skills / PCT / Quiz / CA
- Week 14: Project-Based Learning / PCT / CA
- Week 15: Guest Speaker Presentation / CA
- Week 16: CS Education Q&A / CA

Evaluation of Grades

Assignment	Percentage
Class Activities [CA] (15)	50%
Pre-Class Tasks [PCT] (13)	26%
Weekly Quizzes (12)	24%
TOTAL	100%

Grading Policy

Pct	Grd	Pts	Pct	Grd	Pts
93 - 100	A	4.00	73 - 76	C	2.00
90 - 92	A-	3.67	70 - 72	C-	1.67
87 - 89	B+	3.33	67 - 69	D+	1.33
83 - 86	B	3.00	63 - 66	D	1.00
80 - 82	B-	2.67	60 - 62	D-	0.67
77 - 79	C+	2.33	0 - 59	E	0.00

Percentages will be rounded to the nearest whole percentage for the purposes of assigning letter grades.

More information on UF grading policy may be found at:

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

Pre-Class Tasks

Before each class, students will have a pre-class task to complete. This will include readings, videos, and/or online activities that students will be required to complete before class begins. Each class will start with a quiz based on the pre-class tasks.

Class Activities

It is important to note that “Class Activities” is not merely attendance. This course employs a flipped model, in which students come to class having studied the material in advance on which they complete a quiz. Students further are expected to actively engage in the in-class activities. Failing to do so will result in no credit for the activity, regardless of attendance.

Example: While studying rubrics, students will form groups and participate in a rubric-building activity for an assignment. These rubrics are then discussed as a class and delivered to the instructor. Rubrics will be examined to identify whether they include all major elements of a rubric. Students / groups will be assigned credit according to the level of completion of the rubric-building activity.

Online Course Recording

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Attendance Policy, Class Expectations, and Make-Up Policy

Attendance is mandatory. Students are liable for all announcements made lecture or discussion. Quizzes may only be taken during the assigned period. Make up work for graded class activities are provided given appropriate documentation is presented. Excused absences must be consistent with University policies in the undergraduate catalog (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>) and meet University requirements regarding excused absences.

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 feedback on the quality of instruction in this course by completing online evaluations at <https://ufl.bluera.com/ufl/>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments 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 Undergraduate 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.

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>

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://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf.

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

External Consultation Results (departments with potential overlap or interest in proposed course, if any)

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	

Department	Name and Title
_____	_____
Phone Number	E-mail
_____	_____
Comments	