

Cover Sheet: Request 15279

GEO 4XXX – Transportation Geography

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Yujie Hu yujiehu@ufl.edu
Created	9/21/2020 11:58:26 PM
Updated	1/13/2021 12:48:03 PM
Description of request	This request is for approval of a new GEO course (transportation geography) to be taught in the Department of Geography.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 16220000	Jane Southworth		10/6/2020
uccconsult.pdf					9/22/2020
College	Conditionally Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	The College Curriculum Committee conditionally approves this request, with the following notes: <ul style="list-style-type: none"> • Cross-listed courses should be titled the same. • Remove/Rewrite course objective: "Gain..." • Does the online version have the same/similar assignments or would the grading scheme need to be changed? • Suggestion: remove syllabus <ul style="list-style-type: none"> o Revise attendance and makeup policy to align with university policy. Remove "2 days in advance" portion. 	11/16/2020
No document changes					
Department	Approved	CLAS - Geography 16220000	Jane Southworth		12/7/2020
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		12/10/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			12/10/2020
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					

Step	Status	Group	User	Comment	Updated
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|New for request 15279

Info

Request: GEO 4XXX – Transportation Geography

Description of request: This request is for approval of a new GEO course (transportation geography) to be taught in the Department of Geography.

Submitter: Yujie Hu yujiehu@ufl.edu

Created: 1/13/2021 12:47:30 PM

Form version: 4

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:
GEO

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. There is a 100 character limit for course titles.

Response:

Transportation Geography

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:

Transportation Geography

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, Online

Co-Listing

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

Response:

Yes

Co-Listing Explanation

Please detail how coursework differs for undergraduate, graduate, and/or professional students. Additionally, please upload a copy of both the undergraduate and graduate syllabus to the request in .pdf format. For more information please see the [Co-Listed Graduate Undergraduate Courses Policy](#).

Response:

This course is co-listed as GEO4XXX—an undergraduate course—and GEO5XXX which is a graduate course. Despite that the two courses will meet together, undergraduate and graduate

students will be evaluated based on different criteria. For example, graduate students will be required to complete a longer and more rigorous final project paper, while undergraduate students to complete a review paper final project. In addition, there will be additional questions in assignments and exam for graduate students.

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:
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:

Introduces the history and evolution of transportation systems, and essential concepts, theories, and topics in transportation geography, such as spatial organization, economic foundations, urban form, major modes, globalization, and environmental impacts. Also covers network representation of transportation systems, basic network measures, and challenges for transportation geography.

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:

Sophomore standing or higher.

Completing Prerequisites on UCC forms:

- Use “&” and “or” to conjoin multiple requirements; do not use 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:

Transportation is not only a basic human activity, but is also movement in space; therefore, the study of transportation is of great importance to geographers. It is also an explanatory factor in the spatial patterns assumed by the human activities, which are basic to geography. Thus, transportation geography is offered in many Geography Departments.

This course will be unique in the UF catalog as it bridges Geography (and GIS) concepts and skills with concepts, models, and empirical data from transportation engineering and transportation planning. This course will address some critical issues in the transportation systems including spatial organization, economic foundations, urban form, major modes, globalization, and environmental impacts.

The course will be at an advanced level in the existing undergraduate curriculum as it requires some good understandings of geography (hence the level of 4000). It will benefit students who have expertise and/or background in geography (who are interested in transportation or who want to learn socioeconomic relevance of geography), transportation engineering, and urban transportation planning.

Course Objectives

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

Response:

After successful completion of this course students should be able to:

- Describe the history and evolution of the U.S. transportation system;
- Identify the geographic nature of transportation systems;
- Apply the vocabulary, concepts, theories, and data models that are central to the study of transportation systems.

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:

Rodrigue, J-P (ed) (2020), The Geography of Transport Systems, Fifth Edition, New York: Routledge.

Available free online at: <https://transportgeography.org>

Taafe, Gauthier, and O'Kelly. (1996). Geography of Transportation (2nd edition). Prentice-Hall.

Available free online at:

https://books.google.com/books/about/Geography_of_Transportation.html?id=N60qf7WynaEC

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 1: course introduction

Week 2: overview of transportation geography

Week 3: history of transportation systems

Week 4: transportation and spatial structure

Week 5: economic foundations

Week 6: transportation modes

Week 7: transportation and environment

Week 8: mid-term exam

Week 9: urban transportation

Week 10: transportation planning

Week 11: transportation networks and basic measures

Week 12: network topology

Week 13: globalization and transportation

Week 14: challenges for transportation

Week 15: final presentations

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:

Grade distribution:

- In-class quizzes (10%)

Five short quizzes will be administered throughout the course, in class. These may be in a form of multiple choice, short answer, or short essay responses.

- Reading assignments (15%)

There will be assigned readings designed to inform class discussions. For each of these assigned readings students should prepare a written summary of 250-300 words summarizing and critiquing the reading. A sample written summary will be provided. The summary should be posted on Canvas by the Thursday evening (no later than 8 pm) prior to the Friday class.

- Discussion leader (15%)

Students are expected to lead/chair class discussion on the Friday class, which involves a short (10 – 15 minutes) presentation of the key theoretical and conceptual issues in the lectures and readings pertaining to that week and introducing questions for the class to explore. This will often be done in groups of 2-3.

- Lab assignments (10%)

Hands-on lab assignments are provided to help students use GIS to study transportation.

- Mid-term exam (20%)

A close-book exam, covering all course contents by the day of the test, will be administered in class. The exam will comprise a mix of short answer, short essay responses, and math problems.

- Review short paper (15%)

Each student will write a short reading report (ca. 1,500 words, 3-5 pages) on a book or set of research articles (must be approved by the instructor) related to the course themes (a suggested format of the report will be provided). Topic approval by the instructor is required.

- Final presentation (15%)

Each student will prepare a 15-minute presentation (10-minute for presentation and 5-minute for Q&A) discussing the selected topics reviewed in his/her review short paper. Students will be provided with a rubric to guide their presentation. This usually takes place in the last two weeks of the class.

Grading scale:

93 – 100 A

90 – 92 A-

87 – 89 B+

83– 86 B

80 – 82 B-

77 – 79 C+

73 – 76 C

70 – 72 C-

67 – 69 D+

63 – 66 D

60 – 62 D-

<=59 E

Instructor(s)

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

Response:

Yujie Hu

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

Accommodations

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

Instructor

Dr. Yujie Hu

E-Mail

yujiehu@ufl.edu

Lab Website

<https://geonavilab.geog.ufl.edu>

Office Hours and Location

Wed. 1:00 – 1:55 pm; Fri. 3:00 – 4:00 pm (or by appointment); via Zoom

Class Meeting Time and Location

Wed. 1:55 – 3:50 pm; Fri. 1:55 – 2:45 pm; via Zoom

 **COURSE DESCRIPTION**

Introduces the history and evolution of transportation systems, and essential concepts, theories, and topics in transportation geography, such as spatial organization, economic foundations, urban form, major modes, globalization, and environmental impacts. Also covers network representation of transportation systems, basic network measures, and challenges for transportation geography.

 **COURSE OBJECTIVES**

After successful completion of this course students should be able to:

- Describe the history and evolution of the U.S. transportation system;
- Identify the geographic nature of transportation systems;
- Apply the vocabulary, concepts, theories, and data models that are central to the study of transportation systems.

 **PREREQUISITES**

- Sophomore standing or higher.

 **TEXTBOOKS**

Required:

- Rodrigue, Comtois, and Slack. (2020). *The Geography of Transport Systems* (5th edition). Routledge.

Recommended:

- Taaffe, Gauthier, and O'Kelly. (1996). *Geography of Transportation* (2nd edition). Prentice-Hall.

 **EVALUATION**

GRADE DISTRIBUTION

- **In-class quizzes (10%)**
Five short quizzes will be administered throughout the course, in class. These may be in a form of multiple choice, short answer, or short essay responses.
- **Reading assignments (15%)**
There will be assigned readings designed to inform class discussions. For each of these assigned readings you should prepare a written summary of 250-300 words summarizing and critiquing the reading. A sample written summary will be provided. The summary should be posted on Canvas by the Thursday evening (no later than 8 pm) prior to the Friday class.
- **Discussion leader (15%)**
Students are expected to lead/chair class discussion on the Friday class, which involves a short (10 – 15 minutes) presentation of the key theoretical and conceptual issues in the lectures and readings pertaining to that week and introducing questions for the class to explore. This will often be done in groups of 2-3.
- **Lab assignments (10%)**
Hands-on lab assignments are provided to help you use GIS to study transportation.
- **Mid-term exam (20%)**
A close-book exam, covering all course contents by the day of the test, will be administered in class. The exam will comprise a mix of short answer, short essay responses, and math problems.
- **Review short paper (15%)**
Each student will write a short reading report (ca. 1,500 words, 3-5 pages) on a book or set of research articles (must be approved by the instructor) related to the course themes (a suggested format of the report will be provided). Topic approval by the instructor is required.
- **Final presentation (15%)**
Each student will prepare a 15-minute presentation (10-minute for presentation and 5-minute for Q&A) discussing the selected topics reviewed in his/her review short paper. Students will be provided with a rubric to guide their presentation. This usually takes place in the last two weeks of the class.

GRADING SCALE (&GPA EQUIVALENT)

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
93+	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-63	62-60	59-
4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0

Note: A grade of C- is not a qualifying grade for major, minor, Gen Ed, or College Basic distribution credit. For further information on UF's Grading Policy, see:

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

CLASSROOM POLICIES

- **Attendance & makeup:** Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be

found in the online catalog at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

- **Cell phone and texting:** To encourage uninterrupted participation in class, it is expected that students turn cell phones to silent mode before coming to class.
- **Late submissions:** Late submissions of the review short paper will not be accepted. Late submissions of assignments can be accepted, but 10% of the points will be deducted per day after the due date.
- **Grade disputes:** Should a student wish to dispute any grade received in this class (other than simple addition errors), the dispute must be in writing and be submitted to the instructor within a week of receiving the grade. The dispute should set out very clearly, the grade that the student believes the assignment should have received as well as why he or she believes that he or she should have received such a grade.

OTHER INFORMATION

- **Academic honesty:** 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. 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 (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-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.
- **Accommodations for students with disabilities:** Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. Contact the Disability Resources Center (<http://www.dso.ufl.edu/drc/>) for information about available resources for students with disabilities.
- **Counseling and mental health resources:** Students facing difficulties completing the course or who are in need of counseling or urgent help should contact the on-campus Counseling and Wellness Center (352-392-1575; <http://www.counseling.ufl.edu/cwc/>).
- **Online course evaluation process:** 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/>.
- **COVID-19 Statement:** 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 verbally 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.

SUGGESTED COURSE SCHEDULE

Students should note that there may be changes to the class schedule.

Weeks	Dates	Lectures	Dates	Assignments/Labs
1	09/02/20	Course overview; syllabus walkthrough; Overview of transportation geography	09/04/20	Overview of transportation geography
2	09/09/20	History of transportation systems	09/11/20	Lab 1 (GIS warm up) due
3	09/16/20	Transportation and spatial structure	09/18/20	Group presentation
4	09/23/20	Economic foundations	09/25/20	Group presentation
5	09/30/20	Transportation modes	10/02/20	Lab 2 (Download and map transportation data) due
6	10/07/20	Transportation and environment	10/09/20	Group presentation
7	10/14/20	Mid-term exam	10/16/20	Lab 3 (Build network dataset) due
8	10/21/20	Urban transportation	10/23/20	Group presentation
9	10/28/20	Transportation planning	10/30/20	Group presentation
10	11/04/20	Transportation networks and basic measures	11/06/20	Group presentation
11	11/11/20	NO CLASS: Veterans Day	11/13/20	Lab 4 (Network topology) due
12	11/18/20	Globalization and transportation	11/20/20	Prepare for final paper
13	11/25/20	NO CLASS: Thanksgiving	11/27/20	NO CLASS: Thanksgiving
14	12/02/20	Challenges for transportation geography	12/04/20	Final project presentation
15	12/09/20	Final project presentation	12/11/20	NO CLASS: Reading Day

IMPORTANT DATES TO REMEMBER

- Mid-term exam: 10/14/2020
- Review short paper topic: determined and approved by 11/06/2020
- Final presentation slides: submitted by 12/09/2020

- Reading report: submitted by 12/15/2020

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	