

Cover Sheet: Request 14120

LIN4XXX Stats for Linguists

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Aleksandra Tomic a.tomic@ufl.edu
Created	8/9/2019 5:36:40 PM
Updated	3/10/2020 6:21:49 PM
Description of request	A request for the creation of a dedicated course number (new course creation) for the undergraduate class Stats for Linguists.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Linguistics 011654000	Eric Potsdam		2/10/2020
Syllabus_Kaan_Stats4Ling_2018_undergrad.pdf					8/9/2019
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		2/17/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/17/2020
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					
No document changes					

Course|New for request 14120

Info

Request: LIN4XXX Stats for Linguists

Description of request: A request for the creation of a dedicated course number (new course creation) for the undergraduate class Stats for Linguists.

Submitter: Aleksandra Tomic a.tomic@ufl.edu

Created: 3/10/2020 6:49:40 PM

Form version: 5

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:

LIN

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:
Stats for Linguists

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:
Stats for Linguists

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:
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.

Response:
Graduate and undergraduate students' coursework differs in Homework assignments weights, which stems from the graduate students being required to complete two additional assignments: Critique paper + data set analysis.

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 50 words or fewer. See course description guidelines.

Response:
An introduction to the concepts of probability and statistics, with examples chosen mainly from linguistics. Topics include descriptive statistics, comparing means, regression, T-tests, linear mixed models, and basic experimental design.

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:
LIN 3010

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.

Example: A grade of C in HSC 3502, passing grades in HSC 3057 or HSC 4558, and major/minor in PHHP should be written as follows:

HSC 3502(C) & (HSC 3057 or HSC 4558) & (HP college or (HS or CMS or DSC or HP or RS minor)

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:

None.

Rationale and Placement in Curriculum

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

Response:

The field of linguistics is becoming more computational and quantitative. Especially with current easy access to large corpora and experimental methods, there is a growing need for linguists to be skilled in data science and statistics. This course distinguished itself from other statistics courses offered in other department in terms of its practical application to problems and data sets in the language sciences.

Course Objectives

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

Response:

A student who successfully completes the course will be able to:

- interpret, evaluate, and write statistical results sections in linguistic research papers;
- perform basic data manipulation and statistical tests using R.

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.

Response:

Urdan, Timothy C. (2010). Statistics in Plain English. 3rd edition. Routledge. ISBN 978-0-415-87291-1

Other readings (journal articles, manuals) may be assigned over the course of the semester; these readings will be available through uflib.ufl.edu, e-reserves or the course website.

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:

- 1 Introduction to the course and to R; Descriptive statistics
- 2 Introduction to inferential statistics

- 3 Correlation; guest lecture on Friday
- 4 Regression
- 5 TEST 1
- 6 Regression
- 7 T-test; guest lecture on Friday
- 8 Chi-square, graphing in R
- 9 ANOVA
- 10 TEST 2
- 11 Mixed models
- 12 Mixed models
- 13 Mixed models; experimental participation due
- 14 Statistics: what it does and does not mean
- 15 TEST 3;

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.

Response:

Homework and in-class assignments 38%
 Tests (2 tests and final) 60%
 Active participation 2%
 Optional: Participation in LIN/SLHS experiments (or alternative assignment) 2% extra credit

The course grading scale is:

A = 90-100 B = 80-83.9 C = 70-73.9 D = 60-63.9
 A- = 87-89.9 B- = 77-79.9 C- = 67-69.9 D- = 57-59.9
 B+ = 84-86.9 C+ = 74-76.9 D+ = 64-66.9 E = < 56

For UF grading policies for assigning grade points, see:

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

Requirements and assignments:

Homeworks and in-class exercises

- Homework and in-class assignments are due every 1-2 weeks.
- Made available through Canvas
- Homeworks should always be submitted individually

Tests

- There will be three tests over the course of the semester
- These tests are non-cumulative, although basic knowledge is assumed of what has been dealt with earlier in the semester (especially concerning R).
- Tests should always be submitted individually

Active participation

- Contributing to discussion in class
- Coming to class prepared
- Actively helping others understand the concepts and problems in class

Participation in LIN/SLHS experiments (optional, extra credit).

To encourage awareness of different aspects of experimental research in language-related fields, you can elect to participate in 2 hours of language or communication research during the semester. A list of experiments that qualify for this credit can be found at <http://slhs.php.ufl.edu/student-info/participant-pool-2/>. This site will be updated throughout the semester. Please retain a copy of the IRB form as proof that you participated. You need to have participated in 2 hours of experiments before April 9 for you to receive credit. This assignment will

be worth a maximum of 2% of your course grade. If you choose not to participate or do not qualify for any of the studies, you can receive the same amount of course credit for reading a short research article (provided by the instructor) and writing a 2 page synopsis. This paper must be turned in no later than April 9, 2018. If you are currently enrolled in other classes that require participation in experiments, and your total participation requirement exceeds 4 hours this semester, please see the instructor.

Instructor(s)

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

Response:
Edith Kaan

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

STATISTICS FOR LINGUISTS
LIN 6XXX
SYLLABUS - SPRING Semester 20XX

Classroom & time: M, W, F 5th periods WEIL 0408E (11:45am-12:35pm)

Instructor: Dr. Edith Kaan

Office: 4127 Turlington Hall.

Office Hours (subject to change): Wednesdays 9:35-10:25am; Thursdays 3:00-3:50pm;
and by appointment.

Phone: 352 294 7453 (leave a message); E-mail: kaan@ufl.edu

Prerequisites: *None*

Course description:

This course gives an introduction to concepts of probability and statistics, with examples chosen mainly from linguistics. Topics include descriptive statistics, comparing means, regression, T-tests, linear mixed models, and basic experimental design.

Objectives:

- To learn how to interpret, evaluate, and write statistical results sections in linguistic research papers.
- To learn how to do basic data manipulation and statistical tests using R

Text book:

- Urdan, Timothy C. (2010). *Statistics in Plain English*. 3rd edition. Routledge. ISBN 978-0-415-87291-1
- Other readings (journal articles, manuals) may be assigned over the course of the semester; these readings will be available through uflib.ufl.edu, e-reserves or the course website.

Software:

Excel (Microsoft office); R (www.r-project.org); R-studio (www.rstudio.com).

Course website:

Course materials (reading, lecture notes, syllabus, etc.) will be made available on the Canvas website on E-learning (elearning.ufl.edu/). **Deadlines and grades** will also be posted on the website. You are responsible for checking the site regularly and for letting the instructor know *promptly* if anything is unclear, or if your grade has been entered incorrectly.

Overall grade. The weighting of the various requirements in the final grade is

Homework and in-class assignments	23%
Tests (2 tests and final)	60%
Critique paper + data set analysis	15%
Active participation	2%
Optional: Participation in LIN/SLHS experiments (or alternative assignment)	2% extra credit

The course grading scale is:

A = 90-100 B = 80-83.9 C = 70-73.9 D = 60-63.9
A- = 87-89.9 B- = 77-79.9 C- = 67-69.9 D- = 57-59.9
B+ = 84-86.9 C+ = 74-76.9 D+ = 64-66.9 E = < 56

For UF grading policies for assigning grade points, see:

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Requirements and assignments:

Paper critique and analysis report

- Summary of a published paper on linguistic research using statistical tests
- The summary should include a detailed discussion of the statistical tests used, their appropriateness, the appropriateness of reporting, and an evaluation of how the authors interpret the results from the test. Detailed instructions will be provided in class.
- In addition, you may be getting a new data set which you will be asked to analyze and report the results from
- Due: in the last week of the semester.

Homeworks and in-class exercises

- Homework and in-class assignments are due every 1-2 weeks.
- Some of the homeworks may involve extra assignments for graduate students
- Made available through Canvas
- Homeworks should always be submitted individually

Tests

- There will be three tests over the course of the semester
- These tests are non-cumulative, although basic knowledge is assumed of what has been dealt with earlier in the semester (especially concerning R).
- Tests should always be submitted individually

Active participation

- Contributing to discussion in class
- Coming to class prepared
- Actively helping others understand the concepts and problems in class

Participation in LIN/SLHS experiments (optional, extra credit).

To encourage awareness of different aspects of experimental research in language-related fields, you can elect to participate in 2 hours of language or communication research during the semester. A list of experiments that qualify for this credit can be found at <http://slhs.php.ufl.edu/student-info/participant-pool-2/>. This site will be updated throughout the semester. Please retain a copy of the IRB form as proof that you participated. You need to have participated in 2 hours of experiments before April 9 for you to receive credit. This assignment will be worth a maximum of 2% of your course grade. If you choose not to participate or do not qualify for any of the studies, you can receive the same amount of course credit for reading a short research article (provided by the instructor) and writing a 2 page synopsis. This paper must be turned in no later than April 9, 2018. If you are currently enrolled in other classes that require participation in experiments, and your total participation requirement exceeds 4 hours this semester, please see the instructor.

Policies:

- Emailing, web browsing, face-booking, texting, chatting and other cell phone or computer activity is not allowed during class unless this is part of the course assignments.
- Students are required to hand in all assignments and tests *before the beginning of the class period* they are due. Please contact the instructor *in advance* if you need to skip a class, or cannot make a deadline. Please also make sure you have at least one external backup of the assignments you make for this class. Computer problems will not be considered a valid excuse for missing assignments and test deadlines.
- Homework and exams that are not handed in before the deadline will be graded as “0 points”
- There will be no make-up exams, make-up assignments or extensions of deadlines without a documented medical or academic excuse.
- If you miss *more than 15 minutes of more than three class periods* without a documented medical or academic excuse, one point will be deducted from your final score for each additional time you are absent, leave early, or come late.
- See: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

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 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 specifies a number of behaviors that are in violation of this code and the possible sanctions: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>. 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.

Accommodations for students with disabilities:

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.

Health and wellness: If you or a friend is in distress, please contact umatter@ufl.edu or 352-392-1575 so that a U Matter We Care team member can reach out to the student in distress. In case of emergency, call 9-1-1.

Course evaluation:

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. 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://evaluations.ufl.edu/results/>.

Schedule:

The following schedule is an estimate of the course’s progress, with **approximate** dates of the tests. The instructor will let you know when the tests and assignment deadlines are exactly as they approach, and will keep you updated if we go off track. Please regularly consult **the schedule on the course website** for updates.

Overview of the course, Spring 2018 (subject to change!)

Week/date	Topic
1 – Jan 8-10	Introduction to the course and to R; Descriptive statistics
2 – Jan 17/19	Introduction to inferential statistics
3– Jan 22-26	Correlation; guest lecture on Friday
4 – Jan 29-Feb 2	Regression
5 – Feb 5-9	TEST 1
6 – Feb 12-16	Regression
7– Feb 19-23	T-test; guest lecture on Friday
8 – Feb 26-Mar2	Chi-square, graphing in R
9 – Mar 5-9	NO CLASS
10 – Mar 12-16	ANOVA
11 – Mar 19-23	TEST 2
12 – Mar 26-30	Mixed models
13 – Apr2-6	Mixed models
14 – Apr 9-13	Mixed models; experimental participation due
15 – Apr 16-20	Statistics: what it does and does not mean
16 – Apr 23-25	TEST 3; paper due

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Classroom & time: M, W, F 5th periods WEIL 0408E (11:45am-12:35pm)

Instructor: Dr. Edith Kaan

Office: 4127 Turlington Hall.

Office Hours (subject to change): Wednesdays 9:35-10:25am; Thursdays 3:00-3:50pm;
and by appointment.

Phone: 352 294 7453 (leave a message); E-mail: kaan@ufl.edu

Prerequisites: LIN3010

Course description:

This course gives an introduction to concepts of probability and statistics, with examples chosen mainly from linguistics. Topics include descriptive statistics, comparing means, regression, T-tests, linear mixed models, and basic experimental design.

Objectives:

- To learn how to interpret, evaluate, and write statistical results sections in linguistic research papers.
- To learn how to do basic data manipulation and statistical tests using R

Text book:

- Urdan, Timothy C. (2010). *Statistics in Plain English*. 3rd edition. Routledge. ISBN 978-0-415-87291-1
- Other readings (journal articles, manuals) may be assigned over the course of the semester; these readings will be available through uflib.ufl.edu, e-reserves or the course website.

Software:

Excel (Microsoft office); R (www.r-project.org); R-studio (www.rstudio.com).

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Course materials (reading, lecture notes, syllabus, etc.) will be made available on the Canvas website on E-learning (elearning.ufl.edu/). **Deadlines and grades** will also be posted on the website. You are responsible for checking the site regularly and for letting the instructor know *promptly* if anything is unclear, or if your grade has been entered incorrectly.

Overall grade. The weighting of the various requirements in the final grade is

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Tests

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- There will be no make-up exams, make-up assignments or extensions of deadlines without a documented medical or academic excuse.

- If you miss *more than 15 minutes of more than three class periods* without a documented medical or academic excuse, one point will be deducted from your final score for each additional time you are absent, leave early, or come late.
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6 – Feb 12-16	Regression
7– Feb 19-23	T-test; guest lecture on Friday
8 – Feb 26-Mar2	Chi-square, graphing in R
9 – Mar 5-9	NO CLASS
10 – Mar 12-16	ANOVA
11 – Mar 19-23	TEST 2
12 – Mar 26-30	Mixed models
13 – Apr2-6	Mixed models
14 – Apr 9-13	Mixed models; experimental participation due
15 – Apr 16-20	Statistics: what it does and does not mean
16 – Apr 23-25	TEST 3;