LIN4136/6138 Data-Driven Learning

Fall 2024
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Office hours: Wednesdays 11am-12pm (Turlington 4131D) or by appointment

Class Meeting Times

This is a face-to-face class, which means that we will meet regularly on Mondays, Wednesdays and Fridays from 12:50-1:40pm in Matherly Hall (MAT) 0108.

Course Description

This course provides (i) an overview of how data-driven learning is defined and what disciplines and theories it draws from, (ii) where and how DDL has been applied in actual classroom research, and what the outcomes have been, and (iii) hands-on training using software and corpus data to develop instructional materials and student activities that enable self-driven and student-specific (in the sense of catering to their selected discipline of study, the L1 background, etc.) exploration of language structures in the classroom.

Course Objectives

By the end of this course, you will have acquired the ability to intelligently discuss aspects of the theory and practice of DDL. You will also have learned how to create instructional materials and student activities using DDL methods.

Technology and Materials Requirements

To participate fully in this course, you will need to get a subscription to SketchEngine, an online software tool that allows you to access and analyze corpora in more than 90 languages, and lets you build your own corpora. A one-year subscription to SketchEngine is ~86US$. You can sign up here: https://www.sketchengine.eu/.
You should also download a free text processing tool such as NotePad++ or BBedit. No text book is required for this class. All course materials (research papers, worksheets, etc.) will be available on CANVAS. To participate fully in this course, you will need to be able to access the Canvas course site.

Course Credit Requirements

Homework Assignments: 40% (5% each)
You will complete 8 homework assignments that check your understanding of the material covered in class, give you the opportunity to practice using the SketchEngine software, and invite you to critically assess and improve upon DDL activities. All homework assignments are due on the dates shown in the course schedule on Canvas and to be submitted on Canvas. Late submission reduces the maximum score by 2.5 points for each day that the submission is late without an appropriate excuse.

Quizzes: 30% (10% each)
There are three take-home quizzes. The quizzes are available on Canvas. Check Canvas for the due dates. Late submission reduces the maximum score by 2.5 points for each day that the submission is late without an appropriate excuse.

Mock DDL Lesson: 20% (sketch: 2.5%; in-class trial run: 10%, writeup 7.5%)
Groups of one or more students will plan and write up a lesson plan for a Mock DDL Lesson and rehearse it in class. All Mock DDL Lessons should aim to be about 20 minutes long. A sketch of the lesson plan is due on Canvas by the due date specified in the schedule of classes below. After you received feedback on your lesson plan during an in-class trial run, you will revise your lesson plan accordingly and submit a final version on Canvas by the due date specified in the schedule of classes below. Late submission reduces the maximum score by 2.5

points for each day that the submission is late. If you work with a peer, their assessment of your performance on this assignment will comprise 25% of your total score on this assignment.

Research Article Presentation: 10%

Groups of one or more students will present a compact summary presentation of a published research article (the articles are all available on CANVAS). Presentations should not exceed 15 minutes in length. In addition to the summary presentation, the student(s) will prepare at least 3 discussion questions pertaining to the specific topic covered in the research article, and lead the discussion in class. A draft of the presentation and the discussion questions must be submitted to Prof. Wulff via email <u>a week before the presentation is scheduled</u>. Late submission reduces the maximum score by 2.5 points for each day that the submission is late. If you work with a peer, their assessment of your performance on this assignment will comprise 25% of your total score on this assignment.

Attendance and Participation

Attendance is mandatory for all class meetings. You are allowed to miss up to three 50-minute class periods without any excuse. Each further unexcused absence will lower your grade by one level (e.g. from an A to A-). Excused absences must be consistent with university policies in:
< https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Extra Credit and Make-up Assignments

There is one extra credit opportunity in this class: you can complete the Kognito training to earn 2 extra points. This assignment is available on Canvas like all other assignments. If you have three or more excused absences, please contact Dr. Wulff to discuss the possibility of a make-up exam or equivalent. You cannot make up for unexcused absences.

Grading Scale

Your total score determines your final grade on this grading scale:

100-93=A; 92.9-90=A-; 89.9-87=B+; 86.9-83=B; 82.9-80=B-; 79.9-77=C+; 76.9-73=C(S); 72.9-70=C-(U); 69.9-67=D+; 66.9-63=D; 62.9-60=D-; 59.9-0=E. For information on current UF grading policies for assigning grade points, please go to <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies>. I aim to grade and give feedback on any course assignments as promptly as possible, within a week at the latest. For more information on how exactly each assignment will be graded, please read the Grading Rubrics page on Canvas.

Schedule of Classes

F	8/23	Organizational matters
M	8/26	Introduction to DDL
W	8/28	Introduction to DDL *ctd.*
F	8/30	SketchEngine: word sketch/word sketch difference
M	9/2	Holiday (no class)
W	9/4	SketchEngine: thesaurus, wordlist, concordance Homework 1 due
F	9/6	How to write a DDL lesson plan
M	9/9	SketchEngine: regular expressions
W	9/11	SketchEngine: regular expressions *ctd.* Homework 2 due
F	9/13	SketchEngine: corpus query language
M	9/16	SketchEngine: text types and subcorpora
W	9/18	SketchEngine: corpus building Homework 3 due

F	9/20	Research presentations (groups 1 and 2)
M	9/23	Hands-on: evaluative adjectives
W	9/25	Hands-on: evaluative adjectives *ctd.* Homework 4 due
F	9/27	Research presentations (groups 3 and 4)
M	9/30	Hands-on: hedges and boosters
W	10/2	Hands-on: hedges and boosters *ctd.* Homework 5 due
F	10/4	Research presentations (groups 5 and 6)
M	10/7	Hands-on: reporting verbs
W	10/9	Hands-on: reporting verbs *ctd.* Homework 6 due
F	10/11	Research presentations (groups 7 and 8)
M	10/14	Hands-on: transitions
W	10/16	Hands-on: transitions *ctd.* Homework 7 due
F	10/18	Homecoming (no class)
M	10/21	Take-home quiz 1 (no class)
W	10/23	Brainstorming session for mock DDL lessons Homework 8 due
F	10/25	Research presentations (groups 9 and 10)
M	10/28	Hands-on: self-mentions
W	10/30	Hands-on: self-mentions *ctd.* Mock DDL Lesson Plan Sketch due
F	11/1	Research presentations (groups 11 and 12)
M	11/4	Hands-on: passive voice
W	11/6	Hands on: passive voice *ctd.*
F	11/8	Take-home quiz 2 (no class)
M	11/11	Holiday (no class)
W	11/13	Mock DDL lessons (group 1)
F	11/15	Mock DDL lessons (group 2)
M	11/18	Mock DDL lessons (group 3)
W	11/20	Mock DDL lessons (group 4)
F	11/22	Mock DDL lessons (group 5)
	11/25-29	Thanksgiving Break (no class)
M	12/2	Take-home quiz 3 (no class)
W	12/4	Wrapping up (last class)
W	12/11	Mock DDL Lesson Write-up due Kognito extra credit due

Important Things in Small Print

Recording class lectures. Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor. A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student

presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session. Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Classroom Etiquette. Please switch your cell phone to silent during class. If we are meeting on Zoom, mute your microphone unless you are speaking to minimize background noise for everyone. Please make every effort to arrive to class on time (even if it is on Zoom). Being more than 10 minutes late to the start of the course will count as an absence on each third occasion of such tardiness. We will familiarize ourselves with other rules of "(n)etiquette" in the first week of classes; a summary of (n)etiquette rules is on Canvas.

Student Accommodations. Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <https://disability.ufl.edu/students/get-started>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, 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 UF, 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://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.

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. Federal laws protect your privacy with regards to grades earned in courses and on individual assignments. See http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html for more information.

COVID-19. In response to COVID-19, the following recommendations are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones. If you are not vaccinated, get vaccinated. Vaccines are readily available and have been demonstrated to be safe and effective against the COVID-19 virus. Visit one.uf for screening/testing and vaccination opportunities. If you are sick, stay home. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 to be evaluated. Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.

Disclaimer. Students are encouraged to employ critical thinking and to rely on data and verifiable sources to interrogate all assigned readings and subject matter in this course as a way of determining whether they agree with their classmates and/or their instructor. No lesson is intended to espouse, promote, advance, inculcate, or compel a particular feeling, perception, viewpoint or belief.

Campus Resources: Health and Wellness

- U Matter, We Care: if you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit <umatter.ufl.edu> to refer or report a concern and a team member will reach out to the student in distress.
- Counseling and Wellness Center: visit <counseling.ufl.edu> or call 352-392-1575 for information on crisis services as well as non-crisis services.
- Student Health Care Center: call 352-392-1161 for 24/7 information to help you find the care you need, or visit <shcc.ufl.edu>.
- University Police Department: visit <police.ufl.edu> or call 352-392-1111 (or 9-1-1 for emergencies).
- UF Health Shands Emergency Room / Trauma Center: for immediate medical care, call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; <ufhealth.org/emergency-room-trauma-center>.

Campus Resources: Academic Resources

- E-learning technical support: contact the UF Computing Help Desk at 352-392-4357 or via e-mail (helpdesk@ufl.edu).
- Career Connections Center: career assistance and counseling services <career.ufl.edu>, Reitz Union Suite 1300, 352-392-1601.
- Library Support: <cms.uflib.ufl.edu/ask> various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring <teachingcenter.ufl.edu>.
- Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers <writing.ufl.edu/writing-studio>.
- Student Complaints On-Campus: <sccr.dso.ufl.edu/policies/student-honor- code-student-conduct-code>
- On-Line Students Complaints: <distance.ufl.edu/student-complaint-process>.