# **Course Syllabus**

#### Course Title

Foundations of Information Processing

#### Semester

Spring 2025

#### **Course Number**

IS430 A-Section

#### Instructor

Kevin Trainor

#### **Teaching Assistant**

Andrew Nam

# **Distinction Between 4-Credit and 2-Credit Enrollment**

I recommend that you enroll in this course for 4 credits. If you enroll for 4 credits, you will be expected to submit all coding assignments (see below) as well as the Final Project (see below). I believe that this will lead to the best learning experience.

Nevertheless, you may choose to enroll for 2 credits. If you enroll in this course for 2 credits, you will only be expected to submit the coding assignments. I believe that enrolling in the course for 2 credits is an appropriate option only for students who need to conserve their credits or their funds.

If you have already enrolled in this course for 2 credits, I invite you to consider switching your enrollment to 4 credits. The paperwork to change your registration is easily done and I readily approve these requests. Just make sure to make this request well before the end of the semester.

## **Regular Class Sessions**

Regular class sessions will be held on Wednesdays from 7:00 PM till 9:00 PM online. I look forward to joining you there. Please use a headset.

# **Optional Lab Sessions**

I hold optional lab sessions two times per week. Please join us to ask a question, to discuss solutions to previous assignments, to get help with the current assignment, to discuss the final project, or just to say hello. I will work with students on a first come, first served basis.

The first optional lab session of the week takes place immediately following our regular class session. Since class sessions typically end earlier than their scheduled two-hours, I devote the remainder of the time available to helping students. Often, I can stay beyond the two-hour period if many students need help.

On Sunday mornings from 10:00 AM till 11:00 AM, I will be holding an optional online lab session using Zoom. I look forward to you joining us. Please use a headset.

#### Office Hours

I do not hold conventional open office hours. Students needing help with assignments are encouraged to join in the optional lab sessions (see above). Students who need to discuss confidential matters can arrange for an individual meeting with me on Zoom. If you need to arrange an individual meeting, please send me an *Individual Meeting Request* via the HelpDesk for this course (see *Contacting Instructor or TA* below).

# Contacting Instructor or TA

Please do not send requests or other messages to us using Canvas or our regular email addresses. We will not be responding to messages sent to us on those platforms.

Instead, please contact us by creating a ticket using the <u>Trainor HelpDesk</u>. The HelpDesk system allows you to open a ticket and correspond back-and-forth with us by sending and receiving emails to/from the Trainor HelpDesk system.

For an introduction to the HelpDesk system, please see <u>About Trainor HelpDesk</u>.

For assistance in creating a ticket related to this course (IS430 A-Section), please see <u>IS430 A-Section - Compose Email</u>.

If you are having trouble using the HelpDesk system, please see *Help Me*.

# **Catalog Description**

Covers common data, document processing, and programming constructs and concepts. Focuses on problem solving and abstraction with a programming language. By the end of the course students will be able to design, develop and test a moderately complex computer program to manage full text, bibliographic records or multimedia. The course prepares students for working with applications in data analytics, data science, digital libraries, text mining and knowledge management. No prior programming background is assumed.

#### **Course Description**

This is a first course in computer programming using the Python programming language. The overall goal of this course is to develop an information processing perspective of the world. More specifically, the objectives are:

- 1. To gain a broad introduction to computer programming concepts, principles, styles and techniques through lectures and discussion.
- 2. To develop a working proficiency in a programming language through lab sessions and hands-on assignments.
- 3. To nurture the ability to detect opportunities to apply programming in new scenarios.

# **Course Topics**

- Computers and Programs
- Writing Simple Programs
- Computing with Numbers
- Sequences: Strings, Lists, and Files
- Defining Functions
- Decision Structures
- Loop Structures and Booleans
- Simulation and Design
- Defining Classes
- Data Collections
- Algorithm Design
- Creating Custom Classes
- Using Jupyter Notebooks

# **Learning Outcomes**

After completing this course, you should be able to:

- Understand the role that programming plays in information processing and management.
- Identify opportunities for the information worker to solve everyday work problems using programming.
- Design, code, and test procedural programs in Python that make use of objectoriented classes provided by others.
- Design, code, and test simple object-oriented classes in Python.
- Use the PyCharm integrated development environment competently.

## **Required Texts**

Zelle, J. (2016). Python Programming: An Introduction to Computer Science, 3rd Edition ISBN: 9781590282755.

Please note that we a NOT using the newer 4<sup>th</sup> Edition.

Severance, C. (n.d.). Python for Everybody (<a href="https://www.py4e.com/book">https://www.py4e.com/book</a>). This text is available as an electronic book in several formats. Although it is also available as a printed book, I DO NOT RECOMMEND PURCHASING a printed copy. I invite you to take advantage of this author's generosity by using one of these electronic formats.

McKinney, W. (2022). Python for Data Analysis, 3<sup>rd</sup> Edition. O'Reilly Media. ISBN: 978-1098104030. PLEASE NOTE that this title is available for free to Illinois students via <a href="https://oreilly.com">https://oreilly.com</a>. I recommend that students access this book on the O'Reilly site rather than purchasing a textbook.

# **Technology Requirements**

You will be completing coding assignments and conducting your final project using your own computer. We recommend that you use a computer that runs Windows (either Windows 10 or Windows 11) or a recent release of MacOS. While the software that we will be using for this course does run on Linux, there will be substantially less technical support available for Linux. If you want to use a Linux computer for your coursework, please contact me first.

You will be installing the following software on your computers for this class:

- The Anaconda open data science platform for Python
- The PyCharm Professional integrated development environment (IDE) for Python

All of the software and services that you will be using are free for your use during this class. I will publish brief instructions and detailed tutorial videos to help you download, install, and begin using the required software on computers running Windows (either Windows 10 or Windows 11) and recent releases of MacOS. Links to these resources will be provided in our Weekly Schedule.

The tools described above are those that I recommend for your use when completing work for this course. If you are not able to use one of these tools because of accessibility reasons, please contact me to get approval for a suitable alternative that meets your needs as a student and our needs as graders.

#### **Course Schedule**

The schedule for this course will be available via our Weekly Schedule at:

https://courseinfo.ligent.net/2025sp/\_illinois/is430\_a\_section/index.html

The course schedule is always subject to reasonable change to account for changes in circumstances and to correct errors. When I make changes to the schedule, I will announce them via our Canvas Announcements Forum. Postings to this forum should result in you being sent an email copy of the announcement as well.

#### **Course Elements**

#### 1. Readings

Required readings will be assigned from the textbooks listed above and from other resources that will be identified in the Weekly Schedule. Generally, readings are chosen to accompany any lecture videos or tutorial videos provided for the week. So, you should expect to complete the readings before playing the videos.

This course has three required textbooks (Zelle, Severance, and McKinney). Most of the required reading assignments are from the Zelle text. A few required reading assignments are from the Severance text. Reading assignments at the end of the course are from the McKinney text.

In many weeks, optional readings are identified in the Weekly Schedule. Often, these are presentations of the same material from the other textbook. I have found that reading a second approach to the same subject is particularly helpful for first time programmers and for anyone having difficulty with a particular topic. I expect you to use your best judgement in deciding whether the optional readings are adding appropriate value for you.

#### 2. Lecture Videos

We will not be using our class meeting time for lectures. Instead, I have provided links to pre-recorded video lectures for each unit that we cover.

I typically record two types of lecture videos for each unit that we cover. The first type is a lecture on the material covered in the textbook. These lectures are usually titled with the textbook name and chapter number. While we do provide additional commentary, these lectures cover the same material as is covered in the textbook. Since students have different learning styles, I expect that different students will use the textbook readings and related lectures in different ways. Some may only read the textbook. Some may only listen to the lecture. Others may do both. I leave it to you to sample this content and settle on a usage pattern that works best for you.

The second type of lecture video that I have recorded covers material beyond that covered in the textbook. These lectures usually have a title that includes the phrase "beyond the textbook". These lectures provide important material that you should not miss. So, please do play these lecture recordings regardless of whatever else you may be reading or playing.

Before playing my lecture videos, make sure that you have previously played <u>Tips on Playing My Videos</u> to assure that you get the most from your viewing experience.

#### 3. Tutorial Videos

I have created tutorial videos for the following use cases:

- There are a number of tutorials that explain how to do activities necessary for the course. These include installing software, reading grading rubrics, submitting assignments, and related activities.
- Many tutorials are coordinated with the exercises in your coding assignments.
   They represent a demonstration of the skill you will be expected to use when doing the exercise.

Because tutorial videos do not duplicate material covered by other resources, I recommend that you always play these recordings. Before playing my tutorial videos, make sure that you have previously played <u>Tips on Playing My Videos</u> to assure that you get the most from your viewing experience.

# 4. Coding Assignments

There will be weekly Coding Assignments. As mentioned above, coding assignments will often be paired with tutorial videos. These should allow you to complete your Coding Assignment using the same general approach that has been demonstrated in the tutorial video.

A Canvas submission activity will be provided for submitting each assignment. Instructions for each Coding Assignment and a grading rubric will be published in the Weekly Schedule.

Solutions to the Regular Exercises from the Coding Assignments will be posted to our Canvas site immediately before our next class session. You can expect us to review your solutions and mine at the beginning of our next class.

A major goal for this course is to build your proficiency in self-evaluation of your work. To build this skill, we will expect you to be able to estimate your grade on each Coding Assignment. The solutions to coding assignments posted to our Canvas site and our review of those solutions during the next class will serve as your primary feedback for the Coding Assignment.

As secondary feedback, your Coding Assignment submissions will be graded and commented upon. This feedback will be published to the Canvas assignment submission activity within 2 weeks.

For information regarding the grading of coding assignments, please see *Coding Assignment Submissions That Meet Certain Criteria Are Subject to a Minimum Score Guarantee* under *Grading Policies* below.

# 5. Final Project

The Final Project will be a significant multi-part assignment to be completed in the final weeks of the semester. This assignment will require you to design, code, and test an application solution consisting of multiple programs and using techniques covered throughout the course.

The Final Project is an individual assignment, not a group assignment. More detailed instructions and a grading rubric for this assignment will be published separately.

#### 6. Attendance

The iSchool expects students to attend all classes except in cases of emergency. See Student Code on Attendance: <a href="http://studentcode.illinois.edu/article1/part5/1-501/">http://studentcode.illinois.edu/article1/part5/1-501/</a>. Students in on-campus classes who miss a class meeting are expected to attend the online section meeting for that week. Students in online classes who miss a class meeting are expected to play the recording of that class meeting. If you need help locating the recording of an online class session, please contact the iSchool Help Desk.

# 7. Participation

Your participation in the course is an important element of the course. Accordingly, a significant portion of your grade for this course will be determined by your participation. Students will earn participation credit for:

- Introducing yourself by speaking during the first class meeting.
- Making speaking contributions during class.
- Making chat contributions during class.

stated requirements and best practices.

- Actively participating in a group breakout session during class.
- Speaking for your group during debrief of group breakout session during class.

For information regarding the grading of participation, please see Your Participation Grade Will Be Based Upon Participation Points Earned Throughout the Semester under Grading Policies below.

## **Course Grading Policies**

- iSchool and University Grading Policies Apply
   Many iSchool and University Academic Policies have grade implications. Please see iSchool and University Academic Policies below.
- Careful Attention to Detail is Required
   One important goal of this course is to train you to become a responsible information
   professional. The work of information professionals is highly detail oriented. Clients
   rely on information professionals to deliver a correct work product that conforms to

When your work is graded, deductions will be made for all deviations from the assignment instructions. Some of these deductions will be made for small deviations that may seem insignificant to you. So, it is a good practice to carefully check your work against all instructions before submitting.

- 3. Assignment Resubmissions are Not Permitted After the Assignment Deadline While assignments may be resubmitted before the assignment deadline, they may not be resubmitted after the assignment deadline. If you should accidentally make a submission that is somehow defective, you must discover and correct this error before the assignment deadline. Resubmission of assignments after the deadline will not be permitted for any reason.
- 4. Deadline Extensions Must be Requested Before the Deadline If you believe that you have a valid reason for a deadline extension, please submit a Deadline Extension Request using the HelpDesk before the deadline. I have a practice of granting reasonable extension requests. I will only grant extensions beyond the beginning of our next class session in very limited circumstances.

- Deductions Will be Made for Late Submissions
   The grading rubrics for coding assignments and for the Final Project include substantial deductions for late submissions. Please see the assignment grading rubrics for more details.
- 6. Assignments Submitted Too Late Will Not be Graded Coding assignments submitted more than 14 days late will be considered too late. Final Projects submitted more than 7 days late will be considered too late. Assignments that are submitted too late will not be graded. These submissions will earn a grade of zero. If you are in danger of missing the too late deadline, and you believe that you have a valid reason for an extension, please submit a Deadline Extension Request using the HelpDesk before the deadline.
- 7. Grade Adjustments Will Be Limited to Automatic Rounding
  All grades will be awarded on 0 to 100-point scale. Fractional values will be rounded
  automatically. Fractional portions of grades ending in .0 through .4 will be rounded
  down. Fractional portions of grades ending in .5 through .9 will be rounded up.

No further adjustments will be made to grades. This policy applies even in situations where increasing a grade by just 1 point would cause a student's final letter grade for the course to cross a threshold (i.e. from B+ to A-). Regardless of the potential consequences, grade adjustments will be limited to automatic rounding.

8. Re-Grading Requests Made Using the HelpDesk Will be Given Fair Consideration It is possible for one of your assignment submissions to be missed during the grading process. This is especially true for assignments that are submitted late. If this happens to you, please submit a Re-Grading Request to the HelpDesk to remind us that your submission still needs grading. Make sure to fully identify the assignment that needs attention.

Each assignment that we grade is accompanied by a grading feedback form. Please read this feedback to understand our grading decisions. If, after reading the grading feedback form, you believe that our grading decisions are somehow unfair, please submit a Re-Grading Request to the HelpDesk. Include details in your request that identify the assignment and your rationale for the re-grading request. We will give these requests fair consideration and inform you of our determination by posting back to the HelpDesk ticket.

- Extra Credit Opportunities are Not Available
   I have designed the grading policies for coding assignments such that poor performance on one coding assignment should not spoil your entire semester grade (see Item 11, below). Consequently, I do not offer any opportunities to submit work for extra credit.
- 10. The Expected Grade for Assignment Submissions That Meet All Expectations is 95 The grading rubrics for all assignments have been designed such that submissions that meet all expectations for the Regular Exercises will score 95 points. Assignments will also include a Challenge Exercise. Students who choose to submit the Challenge Exercise may earn from 0 to 5 additional points. Challenge Exercises are designed to be quite difficult and the amount of help available from the instructor for Challenge Exercises will be limited to hints.

11. Coding Assignment Submissions that Meet Certain Criteria are Subject to a Minimum Score Guarantee

The grading rubric for Coding Assignments has been designed to promote two important behaviors:

- Submitting your work in a properly named and formatted file. This helps substantially with grading workflow.
- Submitting your work by the assignment deadline. This assures that you will
  get the benefit of having tried to solve the problem on your own before seeing
  the solutions of others.

While separate grading rubric and assignment submission instructions documents will be published, the following is a summary of the coding assignment grading rubric features:

- 10 points will be awarded for submitting a single, properly named and properly formatted file to the proper Canvas assignment submission activity.
- A minimum of 75 points will be awarded for submissions that are submitted on time, and that demonstrate a good faith effort on all Regular Exercises.
   Late submissions will be awarded 74 points or fewer in this category.

The implication of this grading scheme is that you can expect a score of 85 or higher on all coding assignment submissions that meet both criteria.

# 12. Your Participation Grade Will Be Based Upon Participation Points Earned Throughout the Semester

The table below lists activities for which you may earn participation points and the points earned for each instance.

Activity	Points Earned
Introducing yourself by speaking during the	10
first class session	
Speaking contributions during class	2
Chat contributions during class	1
Actively participating in a group breakout	5
session during class	
Speaking for your group during debrief of	2
group breakout session during class	

Your participation grade for the course will be calculated at the end of the semester based upon the total number of participation points earned. Participation grades will be calculated using a curve. The details of this curve-based grading are presented below:

# **Choice of Grading Scheme**

Participation Points Earned	Applicable Grading Scheme
>= 51	Percentile-Based Scheme
<= 50	Low-Participation Scheme

# **Percentile-Based Scheme**

Participation Points Percentile	Participation Grade
100	100
75	95
50	90
25	80
0	75

# **Low-Participation Scheme**

Participation Points Earned	Participation Grade
50	50
35	35
25	25
<= 24	0

13. Attendance at Class Sessions May Affect Your Grade
While attendance is not graded directly, it may have a significant impact on your participation grade. All activities that earn participation points occur during class.

# **Academic Integrity Policies and Practices Specific to This Course**

There are iSchool and University policies regarding academic integrity. Please see the iSchool Academic Integrity Statement under iSchool and University Academic Policies (below).

Designing, coding, and testing your own programs is the primary learning activity in this course. Most of the learning value of these activities is the result of doing them on your own. Coding your programs independently leads to expected differences between the program files submitted by different students. These differences are not only expected, but they are often celebrated, as we explore the boundaries of good programming style and good programming practice.

The program files that you submit as your own work in this course will be compared to those submitted by other students in your section and by students in other sections. Your submitted work will also be compared to the official class solution as well as solutions generated by AI tools such as ChatGPT. Instances of high correlation between the work that you submit, and the work of others will be investigated as possible instances of plagiarism or cheating. Both plagiarism and cheating are serious academic integrity infractions. See <a href="https://studentcode.illinois.edu/article1/part4/1-402/">https://studentcode.illinois.edu/article1/part4/1-402/</a>.

The submission of highly correlated work represents an academic integrity violation for students who copy the work of others, for students whose work is copied by others, and for students who create and submit a collaborative work when independent work is expected. Code generated by AI tools, such as ChatGPT, will be considered work created by others. Please do your work independently. Never put yourself in a position where your work could be submitted by another student.

Our work in checking your submissions for academic integrity violations will continue throughout the course. File comparison is a time-consuming activity and late submissions create new opportunities to discover highly correlated work. So, investigations can be initiated at any time during the course – even after an assignment has been graded.

The only exceptions to this general prohibition on submission of highly correlated work come from two situations where I give you code:

#### 1. Starter Files

As part of coding assignments, I sometimes give you starter files. Typically, these are test data files. But, sometimes, these are programs that I expect you to include in your project before submission. You are permitted to submit any programs that I provide to you as starter files without further modification.

# 2. Tutorial Examples

During tutorial videos, I create programs with the expectation that you may follow along. Often, these tutorial programs can serve as a great starting point for the program that you are expected to submit for the exercise. You are permitted to copy and adapt code from my tutorial programs.

# **Basis for Determining Overall Course Grade**

The various components of student work will contribute to the overall course grade based upon the following percentages:

Category	4-Credit Students	2-Credit Students
Participation	10%	10%
Coding Assignments	45%	90%
Final Project	45%	NA

Letter grades will be determined as follows:

- A+: 97 100%;
- A:93-96%;
- A-: 90 92%;
- B+: 87 89%;
- B:83-86%;
- B-: 80 82%;
- C+: 77 79%;
- C:73-76%;
- C-: 70 72%;
- D+: 67 69%;
- D:63-66%;
- D-: 60 62%;
- F: 0-59%;

Please note that when converting overall course number grades to letter grades, simple rounding of number grades will be used. Please see *Grade Adjustments Will Be Limited to Automatic Rounding* under *Grading Policies* above.

## ISCHOOL AND UNIVERSITY ACADEMIC POLICIES

#### **Incomplete Grades**

An exceptional request for an incomplete grade is most often granted to students encountering a medical emergency or other extraordinary circumstances beyond their control. Students must request an incomplete grade from the instructor. The instructor and student will agree on a due date for completion of coursework. The student must submit an Incomplete Form signed by the student, the instructor, and the student's academic advisor to the front office:

https://uofi.app.box.com/s/sx7arobhr0gfw12teaetmp1gg32ifdrd

Please see the Student Code for full details:

http://studentcode.illinois.edu/article3/part1/3-104/

# **iSchool Academic Integrity Statement**

The iSchool has the responsibility for maintaining academic integrity so as to protect the quality of education and research in our school and to protect those who depend on our integrity. Consequences of academic integrity infractions may be serious, ranging from a written warning to a failing grade for the course or dismissal from the University. See the student code for academic integrity requirements: <a href="http://studentcode.illinois.edu/article1/part4/1-401/">http://studentcode.illinois.edu/article1/part4/1-401/</a>

#### Statement of Inclusion

https://diversity.illinois.edu/about/senate-diversity-resolution/

As the state's premier public university, the University of Illinois at Urbana-Champaign's core mission is to serve the interests of the diverse people of the state of Illinois and beyond. The institution thus values inclusion and a pluralistic learning and research environment, one which we respect the varied perspectives and lived experiences of a diverse community and global workforce. We support diversity of worldviews, histories, and cultural knowledge across a range of social groups including race, ethnicity, gender identity, sexual orientation, abilities, economic class, religion, and their intersections.

## Disruptive behavior

Behavior that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students' ability to learn and an instructor's ability to teach. A student responsible for disruptive behavior may be required to leave class pending discussion and resolution of the problem and may be reported to the Office for Student Conflict Resolution (<a href="https://conflictresolution.illinois.edu">https://conflictresolution.illinois.edu</a>; conflictresolution@illinois.edu; 333-3680) for disciplinary action.

#### **Religious Observances**

In keeping with our Statement of Inclusion and Illinois law, the University is required to reasonably accommodate its students' religious beliefs, observances, and practices in regard to admissions, class attendance, and the scheduling of examinations and work requirements.

Religious Observance Accommodation Request form:

https://cm.maxient.com/reportingform.php?UnivofIllinois&layout\_id=19

Other accommodations may be available.

#### **Accessibility Statement**

To obtain accessibility-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the Disability Resources and Educational Services (DRES) as soon as possible. To contact DRES you may visit 1207 S. Oak St., Champaign, call 333-4603 (V/TTY), or e-mail a message to disability@uiuc.edu.

# **Community of Care**

As members of the Illinois community, we each have a responsibility to express care and concern for one another. If you come across a classmate whose behavior concerns you, whether in regards to their well-being or yours, we encourage you to refer this behavior to the Student Assistance Center (217-333-0050 or http://odos.illinois.edu/community-of-care/referral/). Based on your report, the staff in the Student Assistance Center reaches out to students to make sure they have the support they need to be healthy and safe.

Further, as a Community of Care, we want to support you in your overall wellness. We know that students sometimes face challenges that can impact academic performance (examples include mental health concerns, food insecurity, homelessness, personal emergencies). Should you find that you are managing such a challenge and that it is interfering with your coursework, you are encouraged to contact the Student Assistance Center (SAC) in the Office of the Dean of Students for support and referrals to campus and/or community resources.

#### **Mental Health Resources**

Significant stress, mood changes, excessive worry, substance/alcohol misuse or interferences in eating or sleep can have an impact on academic performance, social development, and emotional wellbeing. The University of Illinois offers a variety of confidential services including individual and group counseling, crisis intervention, psychiatric services, and specialized screenings which are covered through the Student Health Fee. If you or someone you know experiences any of the above mental health concerns, it is strongly encouraged to contact or visit any of the University's resources provided below. Getting help is a smart and courageous thing to do for yourself and for those who care about you.

- Counseling Center (217) 333-3704
- McKinley Health Center (217) 333-2700
- National Suicide Prevention Lifeline (800) 273-8255
- Rosecrance Crisis Line (217) 359-4141 (available 24/7, 365 days a year)

If you are in immediate danger, call 911.

#### Other Resources

Students experiencing economic hardships resulting in food insecurity, housing insecurity, homelessness, or other issues that may affect the quality of their work, are encouraged to reach out to iSchool Assistant Dean for Student Affairs, April Carter at acart22@illinois.edu or call 217–333-0532.

## **Sexual Misconduct Reporting Obligation**

The University of Illinois is committed to combating sexual misconduct. Faculty and staff members are required to report any instances of sexual misconduct to the University's Title IX Office. In turn, an individual with the Title IX Office will provide information about

rights and options, including accommodations, support services, the campus disciplinary process, and law enforcement options.

A list of the designated University employees who, as counselors, confidential advisors, and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here: wecare.illinois.edu/resources/students/#confidential. Other information about resources and reporting is available here: wecare.illinois.edu.

# The iSchool Academic Support Center

The iSchool Academic Support Center offers academic success workshops; coordinates with faculty and instructors to provide support for specific courses or exams; and curates and shares academic support resources. Appointments are available online and in person in room 4020 (Academic Support Center) in the 614 E. Daniel iSchool building. For more information including hours of operation, please visit <a href="https://ischool.illinois.edu/student-life/academic-support-center">https://ischool.illinois.edu/student-life/academic-support-center</a>.

#### **Contact Hours**

This course will require approximately 54 contact hours.

**Last Revised** 2025-01-10