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Spring 2022
IT 211 Intro to Applied Programming
Tuesday and Thursday 11:50 am – 1:20 pm
CDM658 and online

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Contact Info

Sean Bush
sbush2@depaul.edu

E-mail is the preferred method of contact, as I check my email daily. Most emails will be answered within 24 hours (unless it's during the weekend, the latest I would reply is Monday morning). If you do not receive a reply within the timeframe, check to make sure the email address is correct and email me again. When emailing me, you must include the course number in the subject. Example: IT211: question about variables.

Office Hours:

Scheduled office hours are Tuesdays and Thursdays 1:30 – 2:30 pm by appointment only via Zoom.

Course Overview

Students learn elementary programming concepts through the Python programming language.

Course Goals

The primary goal of this course is to provide a general understanding of programming and computing by developing elementary scripts. Specific goals include but are limited to writing scripts with the following:

- Expressions and assignment statements with diverse data types
- Control statements including conditionals (if statements) and loops
- Arrays and iterators
- Defining simple methods
- Defining and using classes

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class and sent via email.

Prerequisites

IT 130 or IT 202

Textbook

Python Fundamentals: A practical guide for learning Python, Packt Publishing. ISBN: 978-1781789807325
The book is available online for free via DePaul eBook Collections.

Go to either one of these links:
https://libguides.depaul.edu/az.php?t=6193 Click on O'Reilly for Higher Education.
OR
https://go.oreilly.com/depaul/
You should be able to log in using your campus connect username and password.
Type Python Fundamentals packt in the search field on the top of the page.

GRADING POLICY

Grading Scale
Course grades will be reported on the following scale:

Grade	%
A	94-100
A-	90-93
B+	87-89
B	84-86
B-	80-83
C+	77-79
C	74-76
C-	70-73
D+	68-69
D	60-67
F	Less than 60

All course content, assignments, and grades will be posted here on D2L. It is your responsibility to keep up with all class materials through this website. You will also be required to submit your work through D2L.

Grading
- Projects (3)   100 points each
- Quizzes (3)   25 points each
- Take-Home Final   225 points

The goal of assignments is to practice the concepts taught in class. You will have a week to complete each assignment. You are expected to do your own assignment. However, some collaboration with other students is allowed and even encouraged. The following types of collaboration are allowed:

- Discussing strategies for solving a problem
- Reviewing and testing someone else's code
- Using Python code provided by the instructor and texts

The following types of collaboration are not allowed:

- Copying someone else's Python code
- Literally telling someone what code to write

Engaging in these last two types of collaboration will be considered a violation of the university's policy on academic integrity. Violators will receive a zero for the corresponding assignment and will be reported as required by the policy.

Projects will be accepted up to two days after the due date. 15% penalty if you submit your assignment less than a day past the due date given. Additional 15% penalty (30% total) if you submit your assignment more than a day past the due date given. Projects submitted 2 days after the due date will **not be accepted**, as it is unfair to other students. There will not be any extra credit opportunities in the class.

Make sure you submit the correct version of your assignment. It's your responsibility to turn in the correct work for each assignment. Saying you turn in the wrong assignment will not be considered as an excuse.

If you make changes to an assignment that you have already submitted, you are welcome to upload the newer version to D2L provided, of course, that it is uploaded before the assignment deadline. I will always grade your submission with the most recent timestamp in D2L.

All quizzes must be completed before the due date. Missing the due date will result in a grade of zero. You **cannot** make up quizzes.

Students who do not turn in the final will NOT pass the course.

Communication
If you have questions or you are struggling with anything with the class – no matter how minor -- let me know right away. Do not wait!   These classes move quickly. Just like on a project, timely communication is vital to ensure things go smoothly.

Important Dates
Last day to add or swap classes: **Friday, April 1, 2022**
Last day to drop the course without penalty: **Friday, April 8, 2022**
Last day to withdraw from the course: **Friday, May 13, 2022**

Changes to Syllabus
This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L, and sent via email.

COVID-19 Health and Safety Precautions
DePaul requires wearing a mask in classrooms and labs for the first two weeks of spring quarter March 28 to April 10. Outside of these spaces, masks are recommended, but not required. Starting April 11, masks will no longer be required in classrooms and labs. If you need one, KN95 masks are available at a limited number of first-floor desk areas near building entrances.

https://resources.depaul.edu/coronavirus/faqs/Pages/classes-academics-faculty.aspx has additional information.

Respect for Diversity and Inclusion at DePaul University as aligned with our Vincentian Values
At DePaul, our mission calls us to explore "what must be done" in order to respect the inherent dignity and identity of each human person. We value diversity because it is part of our history, our traditions, and our future. We see diversity as an asset and a strength that adds to the richness of classroom learning. In my course, I strive to include diverse authors, perspectives, and teaching pedagogies. I also encourage open dialogue and spaces for students to express their unique identities and perspectives. I am open to having difficult conversations and I will strive to create an inclusive classroom that values all perspectives. If at any time, the classroom experience does not live up to this expectation, please feel free to contact me via email or during office hours.

Online Course Evaluations
Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continuing to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Please see https://resources.depaul.edu/teaching-commons/teaching/Pages/online- teaching-evaluations.aspx for additional information.

Academic Integrity and Plagiarism
This course will be subject to the university's academic integrity policy. All students are expected to abide by the University's Academic Integrity Policy which prohibits cheating and other misconduct in student coursework. Publicly sharing or posting online any prior or current materials from this course (including exam questions or answers), is considered to be providing unauthorized assistance prohibited by the policy. Both students who share/post and students who access or use such materials are considered to be cheating under the Policy and will be subject to sanctions for violations of Academic Integrity. More information can be found at https://resources.depaul.edu/teaching- commons/teaching/academic-integrity/Pages/default.aspx.

Posting work on online sites
All students are expected to abide by the University's Academic Integrity Policy which prohibits cheating and other misconduct in student coursework. Publicly sharing, posting, or receiving answers to any prior or current materials from this course is considered to be providing unauthorized assistance prohibited by the policy. Both students who share/post and students who access or use such materials are considered to be cheating under the Policy and will be subject to sanctions for violations of Academic Integrity.

Academic Policies
All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at:
http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx

Incomplete Grades
An incomplete grade is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval. Information about the Incomplete Grades policy can be found at
http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx

Preferred Name & Gender Pronouns
Professional courtesy and sensitivity are especially important concerning individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the quarter so that I may make appropriate changes to my records. Please also note that students may choose to identify within the University community with a preferred first name that differs from their legal name and may also update their gender. The preferred first name will appear in University-related systems and documents except where the use of the legal name is necessitated or required by University business or legal needs. For more information and instructions on how to do so, please see the Student Preferred Name and Gender Policy at http://policies.depaul.edu/policy/policy.aspx?pid=332

Students with Disabilities
Students seeking disability-related accommodations are required to register with DePaul's Center for Students with Disabilities (CSD) enabling them to access accommodations and support services to assist with their success.

There are two office locations:
- Loop Campus (312) 362-8002
- Lincoln Park Campus (773) 325-1677
- Email: csd@depaul.edu

Students who register with the Center for Students with Disabilities are also invited to contact Dr. Gregory Moorhead, Director of the Center, privately to discuss how he may assist in facilitating the accommodations to be

used in a course. This is best done early in the term. The conversation will remain confidential to the extent possible.

Please see https://offices.depaul.edu/student-affairs/about/departments/Pages/csd.aspx for Services and Contact Information.

Please see the CDM Intranet for general information about school policies.

COURSE SCHEDULE AND TOPICS
Here is a summary. Note that this can be subject to change – I will give you plenty of notice when something changes:

Session	Topics
Week 1	Course Overview; Python variables, Strings data types, and assignment statements
Week 2	Data Types
Week 3	Functions and control statements
Week 4	Loops
Week 5	Dictionaries, Tuples, and Lists
Week 6	Reading and Writing Files
Week 7	Intro to classes, Fetch Data, and API
Week 8	GUI and Game Programming
Week 9	Web Scraping
Week 10	Final

Other
Attitude: A professional and academic attitude is expected throughout this course. Measurable examples of non-academic or unprofessional attitude include but are not limited to talking to others when the instructor is speaking, mocking another's opinion, sleeping, working on assignments for other classes, or cell phones ringing.

Civil Discourse: DePaul University is a community that thrives on an open discourse that challenges students, both intellectually and personally, to be Socially Responsible Leaders. It is the expectation that all dialogue in this course is civil and respectful of the dignity of each student. Any instances of disrespect or hostility can jeopardize a student's ability to be successful in the course.

Cell Phones / On-Call: If you bring a cell phone to class, it must be off or set to silent mode. Should you need to answer a call during class, students must leave the room in an undisruptive manner. Out of respect to fellow students and the professor, texting is never allowable in class. If you are required to be on call as part of your job, please advise me at the start of the course.

Student responsibilities: Each student is responsible for their time management and for meeting the expectations in the syllabus. The instructor is not responsible for reminding students of assignment deadlines in class. In the event of an absence, it is the student's responsibility to contact the instructor regarding the absence and the topics covered in class. Students must keep up with any assigned materials for the class. Students must keep backup copies of all submitted assignments.