

Using a model of theory and practice, the College of Business and Information Technology prepares a diverse body of domestic and international students for successful careers in a variety of organizations through interdisciplinary educational programs that emphasize analytical, technological, ethical, team work, global management, and interpersonal skills essential in an interconnected world economy. Faculty engagement in scholarly activity and service to the University, the profession, and the community complements our primary commitment to teaching and service excellence.

Course Syllabus* Spring 2021

*Students may want to **print** this syllabus in order to have all key course information available off-line.

Course Information:	Course Number: INT2114 / Course Name: Fundamentals of Programming for Business CRN: 3340 Course Location: Buell Management Building / Classroom: M211
Instructor Contact Information:	Name: Seyed Ziae Mousavi Mojab Title: College Professor Telephone: (248) 204-3070 E-mail: smousavim@ltu.edu Office Location: Southfield Campus / Room: M345A Office Hours: 11:00 am – 2:00 pm on Mondays , 11:00 am – 1:00 pm and 3:30 - 5:30 pm on Wednesdays , 8:30 - 10:30 am on Fridays
Meeting Dates:	Mondays/Wednesdays from 9:00am - 10:50am. The semester is between January 19th and May 7th 2021. The first class starts on 01/20/21 (Wednesday). <u>Note:</u> Refer to http://www.ltu.edu/registrars_office/academic-calendar-final-exam.asp for the last date to withdrawal and other important registration related information.
Course Prerequisites:	N/A
Course Text Books and Other Materials	Required Text(s): Starting Out with Python (5th ed.), by T. Gaddis. Pearson, 2020. ISBN 978-0135929032 Additional Materials: Python Compiler, JetBrains PyCharm (educational version), MS Visual Studio Code, Google Colab
Course Description	This course is designed for beginners, typically for business students, to explore core concepts of programming logics and popular programming languages. Topics will include fundamental topics such as data types, variables, input, output, control structures, modules, functions, arrays, files, object-oriented concepts, GUI development, and event-driven programming. This course includes 3 lecture hours and 1 lab hour (4 credit hours). The lab exercises are designed to be completed online or during the on-ground lab sessions, which depends upon the instructor's guidance. No prior knowledge of programming is assumed.
Course Objectives	<ul style="list-style-type: none"> • The student will understand software design techniques. • The student will have an understanding of the logical aspects of computer programming for business applications. • The student will have introductory knowledge of popular programming languages.
Technical Support:	For software, hardware or Canvas issues, contact the LTU Help Desk Telephone: 248-204-2330 E-mail: helpdesk@ltu.edu
Academic Support:	Library Telephone: 248-204-3000 Library Website: http://www.ltu.edu/library/index1.asp

	<p>E-mail: refdesk@ltu.edu</p> <p>Academic Achievement Center Telephone: 248-204-4120 AAC Website: http://www.ltu.edu/aac E-mail: aac@ltu.edu</p>
Student Services Support:	<p>Office of Student Affairs Telephone: 248-204-4100 Website: http://www.ltu.edu/student_affairs/index.asp</p> <p><u>LTU Hotline:</u> To check for school closing, Canvas/Banner availability, or other issues call the LTU Hotline at 248-204-2222.</p> <p>Campus Safety Services 248-204-3945</p>
Course Policies	<p>1. Assistance - Students are encouraged to make an appointment with the instructor during office hours and attain help via email (checked 3 or 4 times Mon-Fri).</p> <p>2. Conduct - Students are expected to conduct themselves in a professional manner at all times and to be courteous to their classmates. The use of objectionable language is strictly prohibited. Additionally, cell phones, pagers, and other personal electronics should be set to silent mode. Additional information covering the Student Code of Conduct can be accessed at https://www.ltu.edu/myltu/code-conduct.asp</p> <p>3. Academic Integrity - Students are expected to do their own work at all times. While it is acceptable to discuss homework and case assignments with others, students should first attempt to solve assigned work themselves. In no case will copied work from another be considered acceptable. With respect to papers, students must submit original work done specifically for this course by the student. Any cheating on exams or papers will result in a score of zero and, potentially, a referral to the Dean. For more information visit Academic Honor Code at https://www.ltu.edu/myltu/honor-code.asp</p> <p>A plagiarism detection service is used by the instructor to identify plagiarized material for this course. To meet the requirements, the assignments will be submitted through the service by the instructor. The service may retain the submitted material for checking plagiarized content in future student submissions.</p> <p><u>First-time violation:</u> Students receive an 'F' for the course (no exceptions). The instructor will report the case to the Dean and school.</p> <p>4. Absences – Students are encouraged to attend all classes, take detailed notes and actively participate. Each class builds on the next. Missing any class will hurt overall comprehension and continuity of the key elements discussed and stressed in the classes. Should a class be missed, the student is responsible to for any materials, learnings and concepts. If an absence is expected the <u>student is requested to advise the instructor before class</u>. Any emergent absence will need a proof and tell the instructor before the class.</p> <p><u>Zoom Attendance Policy</u> In order to be considered present during the zoom sessions, you are expected to follow these rules:</p> <ul style="list-style-type: none"> • Be present on zoom within the first 5 minutes of the class. If you are late, please send me an email. If not, you will be considered absent. • Have your camera on. I have to be able to see your face for the entire class time. If not, you will be considered absent. • Please wear appropriate clothing- the way you would wear if you were physically present in the classroom. • Please be seated on a chair (no lying down on bed)- the way you would sit physically in the classroom. • Please be seated in a well-lit place- so that I can see your face clearly.

	<p>5. Late Work – To receive full credit for lab assignments, students are expected to submit their work by deadlines. No late work is accepted. Exams are to be taken during class time and in the classroom unless otherwise noted during class and specified within a news post on our Canvas website.</p> <p>The instructor reserves the right to include additional policies and/or penalties as deemed necessary.</p>																																						
Student Evaluation	<table border="1"> <thead> <tr> <th>Assignments</th><th>Points</th></tr> </thead> <tbody> <tr> <td>Lab (8 * 40)</td><td>320</td></tr> <tr> <td>Midterm</td><td>300</td></tr> <tr> <td>Final Exam</td><td>300</td></tr> <tr> <td>Attendance & Participation</td><td>80</td></tr> <tr> <td>Total Points</td><td>1000</td></tr> </tbody> </table> <p>UNDERGRADUATE Grading Scale</p> <table border="1"> <thead> <tr> <th>Percentage</th><th>Letter Grade</th></tr> </thead> <tbody> <tr> <td>95 and above</td><td>A</td></tr> <tr> <td>90 – under 95</td><td>A-</td></tr> <tr> <td>87 – under 90</td><td>B+</td></tr> <tr> <td>83 – under 87</td><td>B</td></tr> <tr> <td>80 – under 83</td><td>B-</td></tr> <tr> <td>77 – under 80</td><td>C+</td></tr> <tr> <td>73 – under 77</td><td>C</td></tr> <tr> <td>70 – under 73</td><td>C-</td></tr> <tr> <td>67 – under 70</td><td>D+</td></tr> <tr> <td>63 – under 67</td><td>D</td></tr> <tr> <td>60 – under 63</td><td>D-</td></tr> <tr> <td>Under 60</td><td>F</td></tr> </tbody> </table>	Assignments	Points	Lab (8 * 40)	320	Midterm	300	Final Exam	300	Attendance & Participation	80	Total Points	1000	Percentage	Letter Grade	95 and above	A	90 – under 95	A-	87 – under 90	B+	83 – under 87	B	80 – under 83	B-	77 – under 80	C+	73 – under 77	C	70 – under 73	C-	67 – under 70	D+	63 – under 67	D	60 – under 63	D-	Under 60	F
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Leadership Transcripts	<p>The leadership transcript enables students to track co-curricular activities that are undertaken above and beyond the requirements of the LTU curriculum. The leadership transcript serves students by enhancing the leadership portfolio; providing the opportunity for a transcript of distinction; enhancing their resumes; and assisting in articulating leadership experience. It can be accessed by logging on to Banner Web and clicking on the Student and Financial Aid tab. Leadership Activities is located at the bottom of the list. More information is available at http://www.ltu.edu/leadership.</p>																																						
PLEASE NOTE IF TRAVELING IN EUROPE during the semester	<p>Note if traveling to the EU during the semester: To meet the GDPR regulations in the EU, LTU is now blocking EU traffic without a consent, which includes access to Canvas. If you are going to be in the EU, <u>please complete the Help Desk's consent form before you travel</u> and LTU will give you an exception and instructions. Just return the consent form to the Help Desk to be allowed to get through the general blockage to access LTU systems from Europe through a special VPN connection.</p>																																						
Mask Policy	<p>LTU requires every individual must wear a face covering over his or her nose and mouth when in any indoor public space. Public space is any shared or communal space such as a classroom, but not limited to, hallways, conference rooms, atriums, and laboratories.</p> <p>Students who come to class without face covering or face mask will be asked to leave the class and it will be documented as an unexcused absence for that class period.</p> <p>Students who choose not to wear a face covering (mask) are in violation of the LTU Student Code of Conduct, Section C, Rules and Regulations 9. Violators will be sanctioned. Multiple violations will result in loss of privileges and suspension.</p>																																						

Course Schedule

(Note: Subject to Change with Advance Notice)

Session or Module	Date(s)	Topics/Readings	Assignments due
1	01/20	<ul style="list-style-type: none"> Introduction/Orientation Software Installation 	
2	01/25	<ul style="list-style-type: none"> Introduction to Computers and Programming 	
	01/27	<ul style="list-style-type: none"> Input, Processing, and Output 	
3	02/01	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 1
	02/03	<ul style="list-style-type: none"> Decision Structures and Boolean Logic 	
4	02/08	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 2
	02/10	<ul style="list-style-type: none"> Repetition Structures 	
5	02/15	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 3
	02/17	<ul style="list-style-type: none"> Functions 	
6	02/22	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 4
	02/24	<ul style="list-style-type: none"> Files and Exceptions 	
7	03/01	<ul style="list-style-type: none"> lecture continued, lab Review Session 	<ul style="list-style-type: none"> Lab 5
	03/03	<ul style="list-style-type: none"> Midterm (during class time) 	
8	03/08	<ul style="list-style-type: none"> Spring Break - No class 	
9	03/15	<ul style="list-style-type: none"> Lists and Tuples 	
	03/17	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 6
10	03/22	<ul style="list-style-type: none"> More about Strings 	
	03/24	<ul style="list-style-type: none"> lecture continued, lab 	
11	03/29	<ul style="list-style-type: none"> Dictionaries and Sets 	
	03/31	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 7
12	04/05	<ul style="list-style-type: none"> Classes and Object-Oriented Programming 	
	04/07	<ul style="list-style-type: none"> lecture continued, lab 	
13	04/12	<ul style="list-style-type: none"> Inheritance 	<ul style="list-style-type: none"> Lab 8
	04/14	<ul style="list-style-type: none"> lecture continued, lab 	
14	04/19	<ul style="list-style-type: none"> Recursion 	
	04/21	<ul style="list-style-type: none"> lecture continued, lab 	
15	04/26	<ul style="list-style-type: none"> GUI Programming 	
	04/28	<ul style="list-style-type: none"> lecture continued, lab 	<ul style="list-style-type: none"> Lab 9
16	05/03	<ul style="list-style-type: none"> Review Session 	
	05/05	<ul style="list-style-type: none"> Final Exam (7:30-9:20am) 	

Description of Assignments & Exams

Labs

This course consists of 9 individual lab assignments that have been designed to enhance your understanding of the topics presented. Labs will be posted to our Canvas website during the class period from which they are assigned. Once posted, the instructor will walk the students in attendance through the expectations of the lab. There may be times where expectations for completion of the lab may not be provided in writing in its entirety. In those cases, the instructor will verbally provide expanded expectations. If a student misses class on the night a lab is assigned, the written expectations will be on our Canvas website, but the student is held responsible getting expanded details from a classmate. While the instructor will provide assistance in completing each lab, the instructor will not be held responsible for repeating details discussed in class. There are times when details get missed in class and come up through instructor / student conversations. If that unlikely circumstance occurs, a news post will be provided on Canvas. So, students are encouraged to log onto Canvas frequently to watch for updated news posts.

Labs are designed to be started in class and finished at home. With that in mind, students are encouraged to bring their laptop with them to class each evening, so that they have the resources they need to get started during open lab. The lowest lab assignment score will be dropped.

Midterm and Final Exam

This course consists of two exams that will be completed entirely in class. Both exams are intended to be closed book/closed note. The midterm will be taken during class time on 3/03/21. The exam will begin at 9:00am and end at 10:50am. The date of the final exam (as indicated in the schedule above) is based on the LTU final exam schedule. The exam will be administered in our regular classroom. The final exam will be completed in-class, logistics for where the midterm will be taken will be provided in class.

Each exam will consist of a variety of question formats designed to assess your understanding of the material presented since the first day of class (in the case of the Midterm), and since the last exam (in the case of the Final).