

# Syllabus

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This is a single, concatenated file, suitable for printing or saving as a PDF for offline viewing. Please note that some animations or images may not work.

## Description

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This [module](#) is also available as a concatenated page, suitable for printing or saving as a PDF for offline viewing.

### **MET CS555**

#### **Foundations of Machine Learning**

This course provides an overview of the statistical tools most commonly used to process, analyze, and visualize data. Topics include describing data, statistical inference, 1 and 2 sample tests of means and proportions, simple linear regression, multiple regression, logistic regression, analysis of variance, and regression diagnostics. These topics are explored using the statistical package *R*, with a focus on understanding how to use and interpret output from this software as well as how to visualize results. In each topic area, the methodology, including underlying assumptions and the mechanics of how it all works along with appropriate interpretation of the results, are discussed. Concepts are presented in context of real world examples.

## Prerequisites

CS546 (Introduction to Probability and Statistics) and CS544 (Foundations of Analytics and Data Visualization) or equivalent background.

### **Technical Notes**

The table of contents expands and contracts (+/- sign) and may conceal some pages. To avoid missing content pages, you are advised to use the next/previous page icons in the top right corner of the learning modules.

This course requires you to access files such as word documents, PDFs, and/or media files. These files may open in your browser or be downloaded as files, depending on the settings of your browser.

# Learning Objectives

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By successfully completing this course, you will be able to do the following:

- Describe the science of statistics and the scope of its potential applications.
- Summarize and present data in meaningful ways.
- Select the appropriate statistical analysis depending on the research question at hand.
- Form testable hypotheses that can be evaluated using common statistical analyses.
- Verify the underlying assumptions of a particular analysis.
- Communicate results from analyses performed to others effectively and clearly.
- Conduct, present, and interpret common statistical analyses using R.

## Instructor

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**Farshid Alizadeh-Shabdiz**

Computer Science Department  
Metropolitan College  
Boston University  
1010 Commonwealth Avenue, Room 324  
Email: [alizadeh@bu.edu](mailto:alizadeh@bu.edu)

Dr. Farshid Alizadeh-Shabdiz before joining Boston University was the Chief data officer at Waylens, Inc. in Cambridge, MA, which pushes AI to the edge by building AI-enabled dash cams for the automotive market. Prior to that, he was the Chief scientist at ClimaCell, Boston, working on leveraging cellular network and IoT sensors to predict weather with high accuracy and high spatial resolution. He joined Skyhook Wireless as Chief scientist and the first employee (2004 – 2017), where he built a scientific foundation of Wi-Fi/beacon global localization system. He is renowned for his pioneering work in WiFi/beacon global localization and his patents have been licensed to companies like Apple and Google, and deployed in almost all smartphones, globally. Prior to Skyhook, he was at Hughes Network Systems, responsible for system and modem design of the first three satellite-based mobile networks. He owns 57 US patents. He has been a senior member of IEEE since 2011, and he has been on the steering committees of several localization conferences.

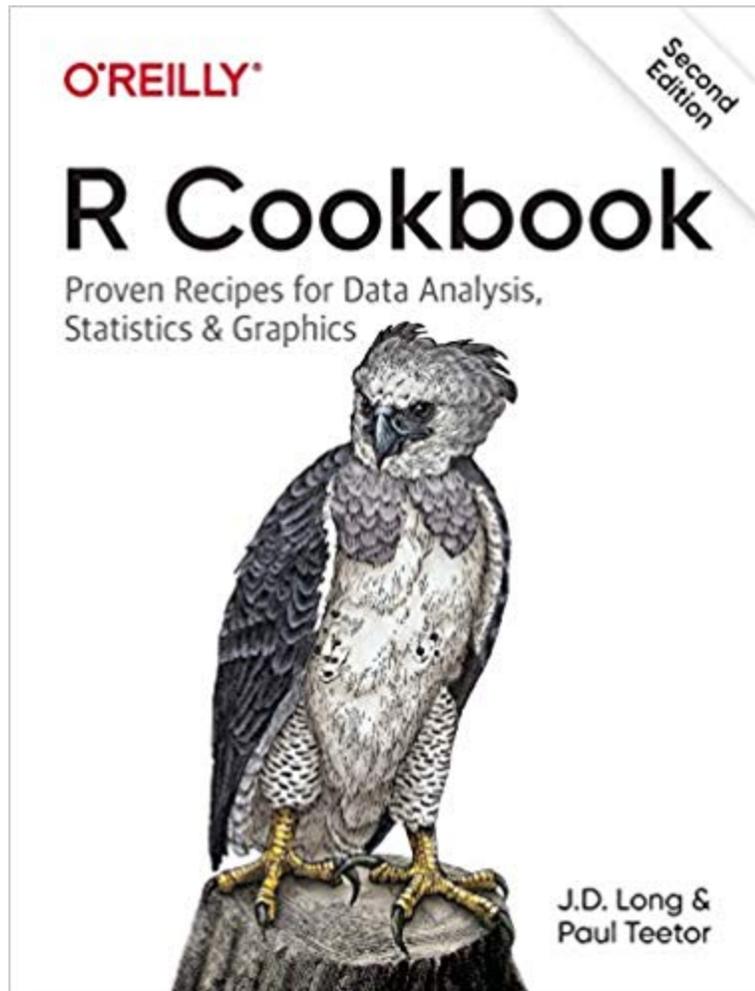
## Materials

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The modules themselves will provide you with the necessary information for the theory, concepts, and examples that you will need to complete your quizzes and understand the methodologies that you will apply to the problems presented in the homework assignments. There will be no reading assignments from the following recommended books. These are excellent

supplemental texts that you may want to review as we go through the course and also keep as reference text as you continue to use *R* in the future. Both of these books can be purchased from [Barnes and Noble at Boston University](#).

## Recommended Books



Long, J. D. & Teetor, P. (2019). *R Cookbook: Proven Recipes for Data Analysis, Statistics, and Graphics*, 2nd edition.

Publisher: O'Reilly Media

ISBN: 978-1492040682.

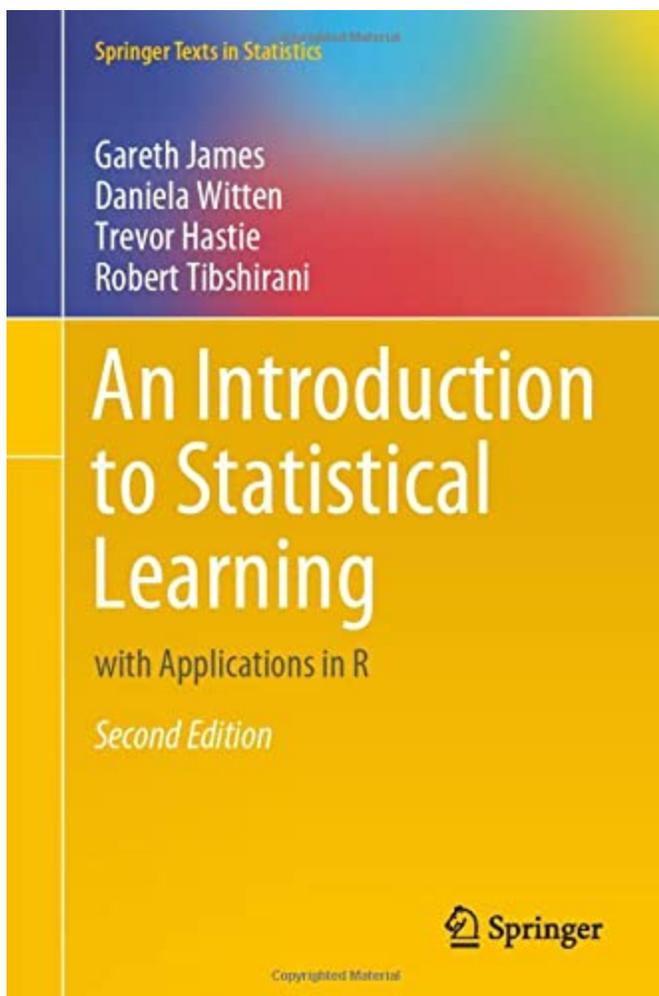
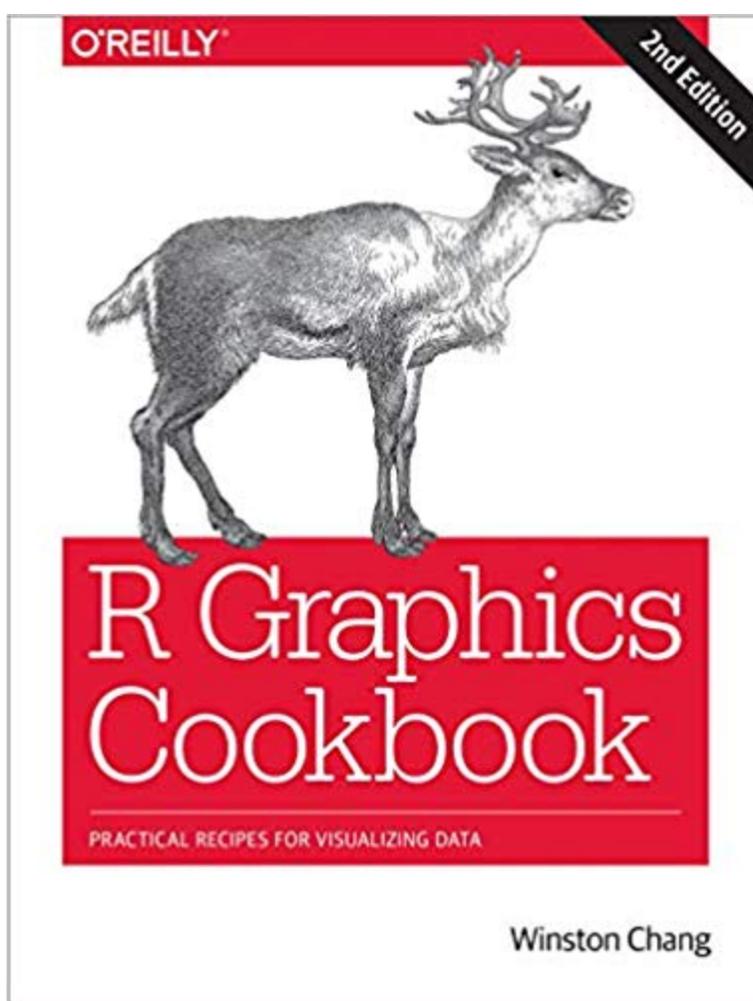
You can access [the free eBook](#).

Chang, W. (2021). *An Introduction to Statistical Learning: with Applications in R (Springer Texts in Statistics)*, 2nd edition.

Publisher: O'Reilly Media

ISBN: 978-1491978603

You can access [the free eBook](#).



James, G., Witten, D., Hastie, T., Tibshirani, R. (2021). *An Introduction to Statistical Learning: with Applications in R (Springer Texts in Statistics)*, 2nd edition.

Publisher: Springer

ISBN: 978-1071614174

You can download [the free Book](#).

# Course R Code Resources on Github

Our course R code examples are available on [Github](#).

- You don't need to register the Github account to access the course R code resources.
- You can download them all as a single zip file.

## Video Tutorials

Video tutorials are available at the end of each module.

## Summary Table of Statistical Techniques

Check out a "short" [summary table of statistical techniques](#).

### MathJax

Variables, formulae, and equations in this course are rendered using [MathJax](#).

#### Adding Fractions

Adding fractions:  $\frac{a}{b} \pm \frac{c}{d} = \frac{ad \pm cb}{bd}$ , often this is not easy to remember.  $a, b, c, d$  do not have to be the following:

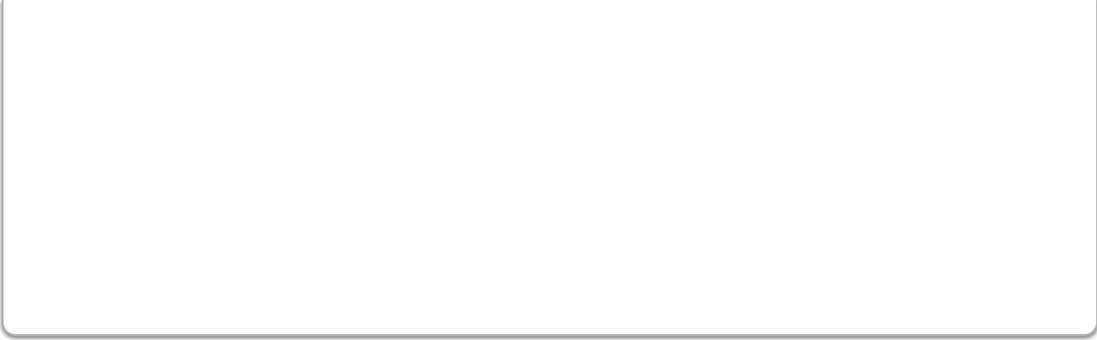
To enable its features in your browser, right-click (or ctrl-click on a single-mouse-button Mac) on a variable or equation to see your MathJax settings.

MathJax can be used with the [MathPlayer](#) plugin for Internet Explorer, which converts math to speech and highlights the math as it is spoken.

## Boston University Library Information

Boston University has created a set of videos to help orient you to the online resources at your disposal. An introduction to the series is below:

met\_ode\_library\_14\_sp1\_00\_intro video cannot be displayed here



All of the videos in the series are available on the [Online Library Resources](#) page, which is also accessible from the Campus Bookmarks section of your Online Campus Dashboard. Please feel free to make use of them.

As Boston University students, you have full access to the [BU Library](#). From any computer, you can gain access to anything at the library that is electronically formatted. You may use the library's content whether you are connected through your online course or not, by confirming your status as a BU community member using your Kerberos password.

Once in the library system, you can use the links under “Resources” and “Collections” to find databases, eJournals, and eBooks, as well as search the library by subject. Some other useful links follow:

Go to [Collections](#) to access eBooks and eJournals directly.

If you have questions about library resources, go to [Ask a Librarian: Help & FAQs](#) to email the library or use the live-chat feature.

To locate course eReserves, go to [Reserves](#).

Please note that you are not to post attachments of the required or other readings in the water cooler or other areas of the course, as it is an infringement on copyright laws and department policy. All students have access to the library system and will need to develop research skills that include how to find articles through library systems and databases.

## Free Tutoring Service



Free online tutoring with Smarthinking is available to BU online students for the duration of their courses. The tutors do not rewrite assignments, but instead teach students how to improve their skills in the following areas: writing, math, sciences, business, ESL, and

Word/Excel/PowerPoint.

You can log in directly to Smarthinking from Online Campus by using the link in the left-hand navigation menu of your course.

## Smarthinking Tutoring Overview



[YouTube](#)

### Please Note

Smarthinking may be used only for current Boston University online courses and career services. Use of this service for purposes other than current coursework or career services may result in deactivation of your Smarthinking account.

## Study Guide

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### Module 1 Study Guide and Deliverables

Required	Module 1 online content
Reading:	
Optional	<ul style="list-style-type: none"><li>Teetor, Sections 2.6, 2.13, 3.1, 3.6, 3.9, 8.9, 8.10, 8.11, 9.1, 9.2, 9.5, 10.9, 10.11, 10.16, and 10.18</li><li>Chang, Sections 1.3, 1.4, 2.3, 2.4, 2.5, 3.1, 6.1, 6.6, 13.16</li></ul>
Reading:	
Assignments:	<ul style="list-style-type: none"><li>Self-Introduction due Tuesday, January 24 at 11:59 PM ET (Not graded. Access at "My Groups" on the left-hand course menu).</li><li>Assignment 1 due Tuesday, January 24 at 6:00 AM ET</li></ul>
Assessments:	Quiz 1 due Tuesday, January 24 at 6:00 AM ET
Live Classroom:	<ul style="list-style-type: none"><li>Saturday, January 21, 10:00 – 11:30 AM ET</li><li>Facilitator live office hour: TBD</li></ul>

## Module 2 Study Guide and Deliverables

Required Reading: Module 2 online content

Optional Reading: Teetor, Sections 8.9, 8.10, 9.8, 9.9, 9.15, 10.9, 10.10, and 10.17

Assignments: Assignment 2 due Tuesday, January 31 at 6:00 AM ET

Assessments: Quiz 2 due Tuesday, January 31 at 6:00 AM ET

Live Classroom:

- Saturday, January 28, 10:00 – 11:30 AM ET
- Facilitator live office hour: TBD

## Module 3 Study Guide and Deliverables

Required Reading: Module 3 online content

Optional Reading: Teetor, Sections 2.6, 9.17, 10.1, 10.6, 11.1, 11.3, 11.4, and 11.13

Assignments: Assignment 3 due Tuesday, February 7 at 6:00 AM ET

Assessments: Quiz 3 due Tuesday, February 7 at 6:00 AM ET

Live Classroom:

- Saturday, February 4, 10:00 – 11:30 AM ET
- Facilitator live office hour: TBD

## Module 4 Study Guide and Deliverables

Required Reading: Module 4 online content

Optional Reading:

- Teetor, Sections 11.2, 11.8, 11.10, 11.11, 11.14
- Chang, Section 5.13

Assignments: Assignment 4 due Tuesday, February 14 at 6:00 AM ET

Assessments: Quiz 4 due Tuesday, February 14 at 6:00 AM ET

Live Classroom:

- Saturday, February 11, 10:00 – 11:30 AM ET
- Facilitator live office hour: TBD

## Module 5 Study Guide and Deliverables

Required Reading: Module 5 online content

Optional Reading: Teetor, Sections 11.20, 11.21, 11.22

Assignments: Assignment 5 due Tuesday, February 21 at 6:00 AM ET

Assessments: Quiz 5 due Tuesday, February 21 at 6:00 AM ET

Live Classroom:

- Saturday, February 18, 10:00 – 11:30 AM ET
- Facilitator live office hour: TBD

## Module 6 Study Guide and Deliverables

Required Module 6 online content

Reading:

Optional Teetor, Sections 9.11, 9.12, 9.18, and 13.7

Reading:

Course Evaluation: Course Evaluation opens on Tuesday, February 21, at 10:00 AM ET and closes on Tuesday, February 28 at 11:59 PM ET.

Please complete the course evaluation. Your feedback is important to MET, as it helps us make improvements to the program and the course for future students.

Assignments: Assignment 6 due Tuesday, February 28 at 6:00 AM ET

Assessments: Quiz 6 due Tuesday, February 28 at 6:00 AM ET

Final Project: Final project due Thursday, March 2 at 6:00 AM ET

Live Classroom:

- Saturday, February 25, 10:00 – 11:30 AM ET

- Facilitator live office hour: TBD

## Final Exam Details

The Final Exam is a proctored exam available from **Wednesday, March 1 at 6:00 AM ET to Saturday, March 4 at 11:59 PM ET.**

The Computer Science department requires that all final exams be administered using an online proctoring service called Examity that you will access via your course in Blackboard. In order to take the exam, you are required to have a working webcam and computer that meets Examity's system requirements. A detailed list of those requirements can be found on the How to Schedule page ("Proctored Final Exam Information" module at the course home page). Additional information regarding your proctored exam will be forthcoming from the Assessment Administrator. You will be responsible for scheduling your own appointment within the defined exam window.

The exam is accessible only during the final exam period. You can access it from the Assessments section of the course. Your proctor will enter the password to start the exam.

Final Exam Duration: 3 hours.

Final Exam is open book/open notes. The following materials can be used during the exam:

- Use of the physical and/or ebook textbook is allowed.
- Use of a standard handheld and/or desktop calculator is allowed. Online calculators are not permitted.
- Use of any printed and/or electronic materials (such as the course site and PDFs) is allowed.
- Use of the following software is allowed: R or R Studio software.
- Use of three pieces of blank scratch paper is allowed.

## Grading Information

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The course is divided into modules. The course opens on a Tuesday. For each module's due date, follow Study Guide.

## Grading Structure and Distribution

The grade for the course is determined by the following:

### Overall Grading Percentages

<b>Homework Assignments</b>	30%
<b>Quizzes (Modules 1-6)</b>	30%
<b>Final Project</b>	10%
<b>Final Exam</b>	30%

The conversion to a letter grade is based on the following distribution:

<b>Scores</b>	<b>Letter Grade</b>
100–95.00	A
94.99–90.00	A–
89.99–87.00	B+
86.99–83.00	B
82.99–80.00	B–

79.99–77.00	C+
76.99–73.00	C
72.99–70.00	C–
69.99–60.00	D
Below 60.00	F

## Homework Assignments

Homework assignments are focused on applying theory learned in the week's module to a set of data and analyzing that data in *R*. Assignment submissions should be a single Microsoft Word or PDF file. The *R* code used to generate your results should be appended to the end of your assignment. Lectures relating to *R* will be held and recordings will be posted after each session. Slides from the session will also be made available to students.

**Due time:** at the end of each module (check the Study Guide for the specific due date).

**Where to submit:** The "Assignments" section in the left-hand course menu.

## Quizzes

Quizzes will evaluate students understanding of concepts presented in the corresponding module. Students should ensure adequate preparation before starting the quiz. It will not be possible to do well on the quiz without first reviewing the course material in depth and attempting to understand all examples and test yourself questions. It is recommended that you complete the quiz after you feel comfortable with the material and asked any questions that you may have had.

**Due time:** at the end of each module (check the Study Guide for the specific due date).

**Where to complete:** The "Assessments" section in the left-hand course menu.

## Final Project

In a final project, student will select a real-world data set, analyze it based on the concepts learned in this course and write a brief report about it.

**Due time:** at the end of Module 6 (check the Study Guide for the specific due date).

**Where to submit:** The "Assignments" section in the left-hand course menu.

## Proctored Final Exam

There will be a proctored Final Exam in this course. Detailed instructions regarding your proctored exam will be forthcoming from the Assessment Administrator. You will be responsible for scheduling your own appointment.

The final exam will be a similar format to the quizzes but longer in length. It is comprehensive and will cover concepts from Modules 1–6.

**Due time:** after Module 6 (check the Study Guide for the specific due date).

**Where to complete:** The "Assessments" section in the left-hand course menu.

## Expectations

Due dates will be indicated for each assignment in the assignments section of the course and in the Study Guide. If, for any reason, you are unable to meet any assignment deadline, contact your facilitator. All times mentioned in the course (unless otherwise specified) are in Eastern Time. All assignments (and quizzes) must be completed and must be turned in by their due dates and due times. No extensions can be given for quizzes. Extensions may be granted for assignments, though only under mitigating circumstances. No credit can be given for homework assignments submitted after homework solutions are reviewed.

## Academic Conduct Policy

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Please visit Metropolitan College's website for the full text of the department's [\*Academic Conduct Code\*](#).

## A Definition of Plagiarism

“The academic counterpart of the bank embezzler and of the manufacturer who mislabels products is the plagiarist: the student or scholar who leads readers to believe that what they are reading is the original work of the writer when it is not. If it could be assumed that the distinction between plagiarism and honest use of sources is perfectly clear in everyone’s mind, there would be no need for the explanation that follows; merely the warning with which this definition concludes would be enough. But it is apparent that sometimes people of goodwill draw the suspicion of guilt upon themselves (and, indeed, are guilty) simply because they are not aware of the illegitimacy of certain kinds of “borrowing” and of the procedures for correct identification of materials other than those gained through independent research and reflection.”

“The spectrum is a wide one. At one end there is a word-for-word copying of another’s writing without enclosing the copied passage in quotation marks and identifying it in a footnote, both of which are necessary. (This includes, of course, the copying of all or any part of another student’s paper.) It hardly seems possible that anyone of college age or more could do that without clear intent to deceive. At the other end there is the almost casual slipping in of a particularly apt term which one has come across in reading and which so aptly expresses one’s opinion that one is tempted to make it personal property.”

“Between these poles there are degrees and degrees, but they may be roughly placed in two groups. Close to outright and blatant deceit-but more the result, perhaps, of laziness than of bad intent-is the patching together of random jottings made in the course of reading, generally without careful identification of their source, and then woven into the text, so that the result is a mosaic of other people’s ideas and words, the writer’s sole

contribution being the cement to hold the pieces together. Indicative of more effort and, for that reason, somewhat closer to honest, though still dishonest, is the paraphrase, and abbreviated (and often skillfully prepared) restatement of someone else's analysis or conclusion, without acknowledgment that another person's text has been the basis for the recapitulation."

The paragraphs above are from H. Martin and R. Ohmann, *The Logic and Rhetoric of Exposition, Revised Edition*. Copyright 1963, Holt, Rinehart and Winston.

## Academic Conduct Code

### I. Philosophy of Discipline

The objective of Boston University in enforcing academic rules is to promote a community atmosphere in which learning can best take place. Such an atmosphere can be maintained only so long as every student believes that his or her academic competence is being judged fairly and that he or she will not be put at a disadvantage because of someone else's dishonesty. Penalties should be carefully determined so as to be no more and no less than required to maintain the desired atmosphere. In defining violations of this code, the intent is to protect the integrity of the educational process.

### II. Academic Misconduct

Academic misconduct is conduct by which a student misrepresents his or her academic accomplishments, or impedes other students' opportunities of being judged fairly for their academic work. Knowingly allowing others to represent your work as their own is as serious an offense as submitting another's work as your own.

### III. Violations of this Code

Violations of this code comprise attempts to be dishonest or deceptive in the performance of academic work in or out of the classroom, alterations of academic records, alterations of official data on paper or electronic resumes, or unauthorized collaboration with another student or students. Violations include, but are not limited to:

- A. **Cheating on examination.** Any attempt by a student to alter his or her performance on an examination in violation of that examination's stated or commonly understood ground rules.
- B. **Plagiarism.** Representing the work of another as one's own. Plagiarism includes but is not limited to the following: copying the answers of another student on an examination, copying or restating the work or ideas of another person or persons in any oral or written work (printed or electronic) without citing the appropriate source, and collaborating with someone else in an academic endeavor without acknowledging his or her contribution. Plagiarism can consist of acts of commission-appropriating the words or ideas of another-or omission failing to acknowledge/document/credit the source or creator of words or ideas (see below for a detailed definition of plagiarism). It also includes colluding with someone else in an academic endeavor without acknowledging his or her contribution, using audio or video footage that comes from another source (including work done by another student) without permission and acknowledgement of that source.
- C. **Misrepresentation or falsification of data** presented for surveys, experiments, reports, etc., which includes but is not limited to: citing authors that do not exist; citing interviews that never took place, or field work that was not completed.
- D. **Theft of an examination.** Stealing or otherwise discovering and/or making known to others the contents of an examination that has not yet been administered.

- E. **Unauthorized communication during examinations.** Any unauthorized communication may be considered prima facie evidence of cheating.
- F. **Knowingly allowing another student to represent your work as his or her own.** This includes providing a copy of your paper or laboratory report to another student without the explicit permission of the instructor(s).
- G. **Forgery, alteration, or knowing misuse of graded examinations, quizzes, grade lists, or official records of documents,** including but not limited to transcripts from any institution, letters of recommendation, degree certificates, examinations, quizzes, or other work after submission.
- H. **Theft or destruction of examinations or papers** after submission.
- I. **Submitting the same work in more than one course** without the consent of instructors.
- J. **Altering or destroying another student's work or records,** altering records of any kind, removing materials from libraries or offices without consent, or in any way interfering with the work of others so as to impede their academic performance.
- K. **Violation of the rules governing teamwork.** Unless the instructor of a course otherwise specifically provides instructions to the contrary, the following rules apply to teamwork: 1. No team member shall intentionally restrict or inhibit another team member's access to team meetings, team work-in-progress, or other team activities without the express authorization of the instructor. 2. All team members shall be held responsible for the content of all teamwork submitted for evaluation as if each team member had individually submitted the entire work product of their team as their own work.
- L. **Failure to sit in a specifically assigned seat during examinations.**
- M. **Conduct in a professional field assignment that violates the policies and regulations of the host school or agency.**
- N. **Conduct in violation of public law occurring outside the University that directly affects the academic and professional status of the student, after civil authorities have imposed sanctions.**
- O. **Attempting improperly to influence the award of any credit, grade, or honor.**
- P. **Intentionally making false statements to the Academic Conduct Committee or intentionally presenting false information to the Committee.**
- Q. **Failure to comply with the sanctions imposed under the authority of this code.**

## Important Message on Final Exams

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Dear Boston University Computer Science Online Student,

As part of our ongoing efforts to maintain the high academic standard of all Boston University programs, including our online MSCIS degree program, the Computer Science Department at Boston University's Metropolitan College requires that each of the online courses includes a proctored final examination.

By requiring proctored finals, we are ensuring the excellence and fairness of our program. The final exam is administered online.

Specific information regarding final-exam scheduling will be provided approximately two weeks into the course. This early notification is being given so that you will have enough time to plan for where you will take the final exam.

I know that you recognize the value of your Boston University degree and that you will support the efforts of the University to maintain the highest standards in our online degree program.

Thank you very much for your support with this important issue.

Regards,

Professor Lou Chitkushev, Ph.D.

Associate Dean for Academic Affairs

Boston University Metropolitan College

## Who's Who: Roles and Responsibilities

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You will meet many BU people in this course and program. Some of these people you will meet online, and some you will communicate with by email and telephone. There are many people behind the scenes, too, including instructional designers, faculty who assist with course preparation, and video and animation specialists.

## People in Your Online Course in Addition to Your Fellow Students

**Your Facilitator.** Our classes are divided into small groups, and each group has its own facilitator. We carefully select and train our facilitators for their expertise in the subject matter and their excellence in teaching. Your facilitator is responsible for stimulating discussions in pedagogically useful areas, for answering your questions, and for grading homework assignments, discussions, term projects, and any manually graded quiz or final-exam questions. If you ask your facilitator a question by email, you should get a response within 24 hours, and usually faster. If you need a question answered urgently, post your question to one of the urgent help topics, where everyone can see it and answer it.

**Your Professor.** The professor for your course has primary responsibility for the course. If you have any questions that your facilitator doesn't answer quickly and to your satisfaction, then send your professor an email in the course, with a cc to your facilitator so that your facilitator is aware of your question and your professor's response.

**Your Senior Faculty and Student Support Administrator, Jeff Behn.** Jeff is here to ensure you have a positive online experience. You will receive emails and announcements from him throughout the semester. Jeff represents Boston University's university services and works for the Office of Distance Education. He prepares students for milestones such as course launch, final exams, and course evaluations. He is a resource to both students and faculty. For example, he can direct your university questions and concerns to the appropriate party. He also handles general questions regarding Online Campus functionality for students, faculty, and facilitators, but he does not provide tech support. He is enrolled in all classes and can be contacted within the course through Online Campus email as it is running. You can also contact him by external email at [jeffbehn@bu.edu](mailto:jeffbehn@bu.edu) or call (617) 358-1985.

## People Not in Your Online Course

Although you will not normally encounter the following people in your online course, they are central to the program. You may receive emails or phone calls from them, and you should feel free to contact them.

**Your Computer Science Department Online Program Coordinator, Annie Imperato.** Annie administers the academic aspects of the program, including admissions and registration. You can ask her questions about the program, registration, course offerings, graduation, or any other program-related topic. She can be reached at [metcsol@bu.edu](mailto:metcsol@bu.edu) or (617) 353-2566.

**Your Computer Science Department Program Manager, Kim Crosta.** Kim is responsible for administering most aspects of the Computer Science Department. You can reach Kim at [kimrich@bu.edu](mailto:kimrich@bu.edu) or (617) 353-2566.

**Andrew Gorlin, Academic Advisor.** Reviews requests for transfer credits and waivers. Advises students on which courses to take to meet their career goals. You can reach Andrew at [asgorlin@bu.edu](mailto:asgorlin@bu.edu), or (617)-353-2566.

**Professor Anatoly Temkin, Computer Science Department Chairman.** You can reach Professor Temkin at [temkin@bu.edu](mailto:temkin@bu.edu) or at 617-353-2566.

**Professor Lou T. Chitkushev, Associate Dean for Academic Affairs, Metropolitan College.** Dr. Chitkushev is responsible for the academic programs of Metropolitan College. Contact Professor Chitkushev with any issues that you feel have not been addressed adequately. The customary issue-escalation sequence after your course facilitator and course faculty is Professor Temkin, and then Professor Chitkushev.

**Professor Tanya Zlateva, Metropolitan College Dean.** Dr. Zlateva is responsible for the quality of all the academic programs at Boston University Metropolitan College.

## Disability and Access Services

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In accordance with University policy, every effort will be made to accommodate students with respect to speech, hearing, vision, or other disabilities. Any student who may need an accommodation for a documented disability should contact [Disability and Access Services](#) at 617-353-3658 or at [access@bu.edu](mailto:access@bu.edu) for review and approval of accommodation requests.

Once a student receives their accommodation letter, they must send it to their instructor and/or facilitator each semester. They must also send a copy to their Faculty & Student Support Administrator, who may need to update the course settings to ensure accommodations are in place. Accommodations cannot be implemented if the student does not send their letter.

## Netiquette

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The Office of Distance Education has produced a netiquette guide to help you understand the potential impact of your communication style.

Before posting to any discussion forum, sending an email, or participating in any course or public area, please consider the following:



## Ask Yourself...

- How would I say this in a face-to-face classroom or if writing for a newspaper, public blog, or wiki?
- How would I feel if I were the reader?
- How might my comment impact others?
- Am I being respectful?
- Is this the appropriate area or forum to post what I have to say?

## Writing

When you are writing, please follow these rules:

- **Stay polite and positive in your communications.** You can and should disagree and participate in discussions with vigor; however, when able, be constructive with your comments.
- **Proofread your comments before you post them.** Remember that your comments are permanent.
- **Pay attention to your tone.** Without the benefit of facial expressions and body language, your intended tone or the meaning of the message can be misconstrued.
- **Be thoughtful and remember that classmates' experience levels may vary.** You may want to include background information that is not obvious to all readers.
- **Stay on message.** When adding to existing messages, try to maintain the theme of the comments previously posted. If you want to change the topic, simply start another thread rather than disrupt the current conversation.
- **When appropriate, cite sources.** When referencing the work or opinions of others, make sure to use correct citations.

## Reading

When you are reading your peers' communication, consider the following:

- **Respect people's privacy.** Don't assume that information shared with you is public. Your peers may not want personal information shared. Please check with them before sharing their information.
- **Be forgiving of other students' and instructors' mistakes.** There are many reasons for typos and misinterpretations. Be gracious and forgive other's mistakes or point them out privately and politely.

- If a comment upsets or offends you, reread it and/or take some time before responding.

### Important Note

Don't hesitate to let your instructor or your faculty and student support administrator know if you feel others are inappropriately commenting in any forum.

All Boston University students are required to follow academic and behavioral conduct codes. Failure to comply with these conduct codes may result in disciplinary action.

## Registration Information and Important Dates

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[View the drop dates for your course.](#)

[Withdraw or drop your course.](#)

- If you are dropping down to zero credits for a semester, please contact your college or academic department.
- **Nonparticipation in your online course does not constitute a withdrawal from the class.**
- If you are unable to drop yourself on Student Link, please contact your college or academic department.
- Online courses will open to students in Blackboard on the first day of the term.
- Online courses close to students three weeks after the last day of the term. Please plan to download and save any assignments or material you'd like to keep by that date.

## Technical Support

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### Help Desk

Boston University IT Help Desk can be reached via email ([ithelp@bu.edu](mailto:ithelp@bu.edu)), phone (617-353-4357) or by filling out the [support form](#) on their website. For IT Help Desk hours of operation, visit the [contact page](#). If you are contacting IT outside of business hours, you will receive a response the following day. Visit the BU Information Services & Technology (IS&T) [news page](#) for announcements and system-wide alerts.

## Technology Requirements and Resources

To successfully view all content in your course, it is important that your computer setup meets the necessary minimum technical requirements. Certain courses with specific functionality or educational tools may require additional technical requirements, these details can be found on the Course Resources or Materials page in the Syllabus.

## System Requirements

- Access to reliable, high-speed internet: Check your [internet connection speeds](#)
- Learning Management System (Blackboard): [System Requirements](#)
- Synchronous live classroom sessions (Zoom): [System requirements for Windows, macOS, and Linux](#)
- Courses with proctored exams (Examiity): [System requirements for Windows, macOS](#)

## Downloads

- Recommended web browsers: [Mozilla Firefox](#) or [Google Chrome](#)
- Synchronous live classroom sessions (Zoom): [Zoom download center](#)
- Courses with proctored exams (Examiity): Desktop or laptop computer with [Google Chrome](#) or [Microsoft Edge](#)

## Recommended Hardware

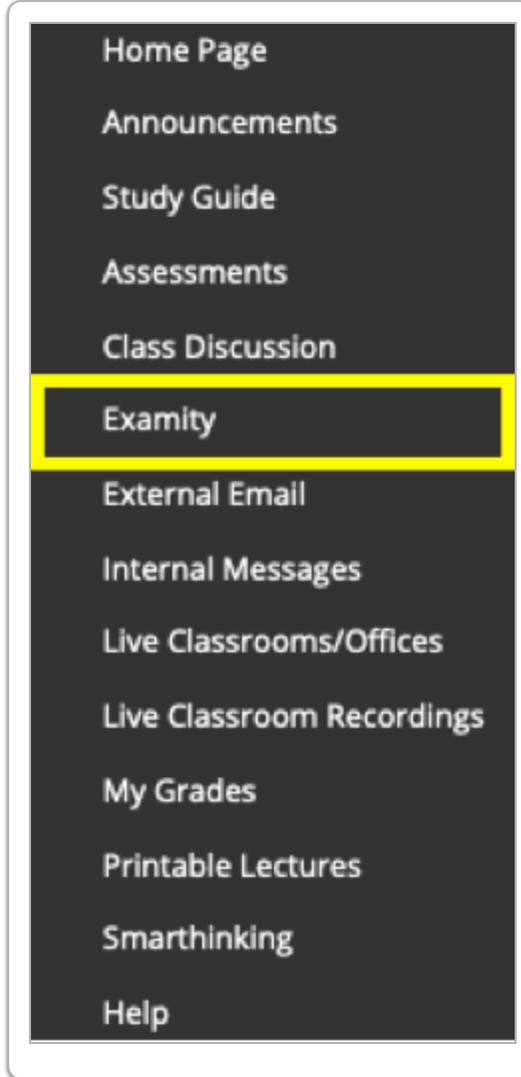
- Desktop or laptop computer recommended for best experience, some course functionality including proctored exams are not compatible with phones or tablets
- Headset with built-in microphone for high quality audio during live classroom sessions
- Webcam (required for proctored exams)
- Working computer speakers (required for proctored exams)

## Clearing Your Browser Cache

It is recommended that users periodically [clear their browser cache](#) to ensure they are viewing the most current course content. Completing this step often resolves login issues and problems viewing course materials.

## Proctored Exams

Courses with proctored exams will have an Examiity link in the left-hand course navigation. This link will not appear until scheduling opens. The ODE Assessment Administrator will notify you when it is time to schedule your exam. Details on Examiity's technical requirements and how to schedule your exam are in the Proctored Exam Information module on the course homepage. The Assessment Administrator can be reached at [pexams@bu.edu](mailto:pexams@bu.edu). Examiity support is available 24/7 via phone (855-392-6489), email ([support@examiity.com](mailto:support@examiity.com)), or 'live chat' when logged in to the Examiity dashboard.



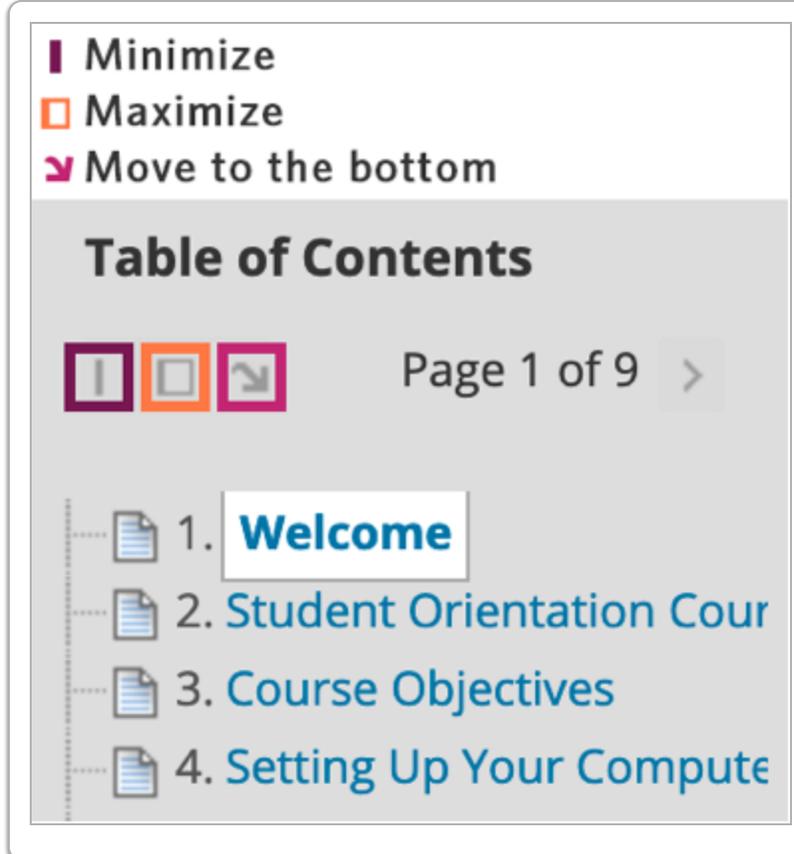
## Navigating Courses

While navigating through your courses it's important to note that all hyperlinks will open in a new browser window.

The Blackboard navigation tools—shown in the images below—allow you to show and hide both the Course Menu and the Table of Contents which can free up space when moving through weekly lecture material.

The Table of Contents may contain folders that open and close (+ and – signs) and may conceal some pages. To avoid missing content pages, you are advised to use the next- and previous-page buttons (and icons) in the top-right corner of the learning content.

Navigation tools for the Table of Contents are shown in the image below:



Clicking the space between the Course Menu and the Table of Contents allows you to show or hide the Course Menu on the left:

