### BOSTON UNIVERSITY

**COMPUTERS AND THEIR APPLICATIONS - COURSE SCHEDULE**

“Computers and Their Applications”: MET CS 101 A1 (Room –GCB-204)  
Gerard Keegan  
Gkeegan@bu.edu  
(617) 358-3095  

Office Hours: Monday 9:00 PM – 9:30 PM or by appointment.  
Office hours link at [http://people.bu.edu/gkeegan](http://people.bu.edu/gkeegan)


Grading contributions:

Two exams (Midterm and Final) at 30% each  
Assignments = 15%  
Class participation = 10%  
Student research paper and presentation = 15%

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<th>MEETING</th>
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| 1: September 10 | Course / Instructor / Student Introductions  
Demonstration: BlackBoard  
Assignment due by next class:  
- Read Chapter 1  
- Read Chapter 2 |
| 2: September 17 | Chapter 1: Exploring Our Digital Planet  
Chapter 2: Hardware Basics – Inside the Box  
Demonstration: “N-tier” application  
Number Systems  
Assignment due by next class:  
- Read Chapter 3  
- Assignment #1 |
| 3: September 24 | Chapter 3: Hardware Basics: Peripherals  
Demonstration: Voice recognition systems  
Assignment due by next class:  
- Read Chapter 4  
- Assignment #2 |
| 4: October 1 | Chapter 4: Software Basics – The Ghost in the Machine  
Demonstration: Operating system features  
Assignment due by next class:  
- Read Chapter 5  
- Assignment #3 |
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<td>*** No class on Monday October 8th Columbus Day Holiday – Tuesday is Monday schedule***</td>
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<td><em><strong>October 9th – last day for a student to drop a class without a “W” on their transcript</strong></em></td>
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| 5: Tuesday October 9 | Chapter 5: Productivity Applications  
Demonstration: Office software - requested features  
Assignment due by next class:  
- Read Chapter 12  
- Read Chapter 6  
- Assignment #4 |
| 6: October 15 | Chapter 12: Information Systems in Business  
Chapter 6: Graphics, Digital Media, and Multimedia  
Demonstration: MIT Beer Game (Supply Chain)  
Assignment due by next class:  
- Read Chapter 7  
- Assignment #5 |
| 7: October 22 | Chapter 7: Database Applications and Privacy Implications  
Demonstration: US Treasury – OFAC/SDN database  
Midterm exam review  
Assignment due by next class:  
- Prepare for Mid-Term Exam  
- Chapters 1-7, 12 |
| 8: October 29 | Mid-Term Exam  
Assignment due by next class:  
- Read Chapter 14 |
| 9: November 5 | Chapter 14: Systems Design and Development  
Demonstration: C++ and MATLAB Coding Examples  
Assignment due by next class:  
- Read Chapter 8  
- Assignment #6 |
| *** November 9th – last day for a student to drop a class with a “W” on their transcript *** |
| ***10: November 12th – Veterans Day Holiday – Virtual class using BlackBoard – Topic TBD *** |
| 11: November 19 | Chapter 8: Networking and Digital Communication  
Demonstration: HTML basics  
Student class presentations  
Assignment due by next class:  
- Read Chapter 13  
- Enjoy your Thanksgiving – no written assignment! |
| 12: November 26 | Chapter 13: Electronic Commerce and E-Business  
Demonstration: Web site development  
Student class presentations  
Assignment due by next class:  
- Read Chapter 9  
- Assignment #7 |
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| 13: December 3 | Chapter 9: The Evolving Internet  
Student class presentations  
Assignment due by next class:  
  • Read Chapter 10 and Chapter 15  
  • Assignment #8 |
| 14: December 10 | Chapter 10: Computer Security and Risks  
Chapter 15: Artificial Intelligence  
Demonstration: Biometrics devices  
Demonstration: Early AI – “Eliza”  
Student class presentations  
Final exam review  
Assignment due by next class:  
  • Prepare for the Final Exam – all chapters, labs and topics |
| 15: December 17 | FINAL EXAM: All chapters, assignments and topics |