

AET 103 – Colloquium III Unique: 20845
Milestones in Digital Media Technologies
Thursday @ 5pm-6pm CLA 0.102
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There are three required Colloquia courses in the Bachelor of Science in Arts and Entertainment Technologies degree. Each class is 1 hour per week for 1 credit. All AET majors must attend.

Synopsis

This colloquium will span the early years of computation to the present focusing on key moments in computation history, digitization, control systems and concepts of machine learning and generative art. All materials will be available in Canvas.

Attendance is mandatory and attendance will be taken at the start of every class.
For each class missed I will deduct 1 grade point from the final grade.

Weekly Syllabus

Class	Date	Topic	Quiz Value
1	30-Aug	What is an algorithm? What does "computable" mean?	15
2	6-Sep	Mechanical Machines, Clockworks and Charles Babbage	
3	13-Sep	Early Electronic Computers - Relays, Valves and Bugs	
4	20-Sep	ENIAC and the war machines - digital computing	
5	27-Sep	Early Electronic Media - Film, Audio	
6	4-Oct	Digital Audio - Bell Labs, digital telephony, mp3 etc	15
7	11-Oct	Digital Imaging - image sensors and light	
8	18-Oct	Time Based Digital Media	
9	25-Oct	MID-TERM TEST	40
10	2-Nov	Control Systems - MIDI, DMX, etc.	15
11	9-Nov	Machine Learning - "The Master Algorithm"	
12	16-Nov	Generative Art, Music, Video - computational creativity	
13	23-Nov	Thanksgiving Break	
14	30-Nov	iOT - a sensor based world	15
15	7-Dec	What does the future look like for AET?	

Grading

There will be four quizzes and a mid-term test. All will be done online in Canvas. The mid-term test will be 50 minutes, in-class. Quizzes will be done outside of classes. Due dates are posted in Canvas.

Quizzes and Mid-Term

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|---------------------------------------|-----|
| 1. Spt 13 Quiz 1 Classes 1, 2, 3, 4 | 15% |
| 2. Oct 11 Quiz 2 Classes 5, 6, 7 | 15% |
| 3. Oct 25 Mid-Term on all classes 1-8 | 40% |
| 4. Nov 16 Quiz 3 Classes 10, 11, 12 | 15% |
| 5. Dec 7 Quiz 4 Classes 14, 15 | 15% |

UT Policies

The University of Texas Honor Code

The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the University is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.

Scholastic Dishonesty

The University defines academic dishonesty as cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Scholastic dishonesty also includes, but is not limited to, providing false or misleading information to receive a postponement or an extension on a test, quiz, or other assignment, and submission of essentially the same written assignment for two courses without the prior permission of the instructor. By accepting this syllabus, you have agreed to these guidelines and must adhere to them. Scholastic dishonesty damages both the student's learning experience and readiness for the future demands of a work-career. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. For more information on scholastic dishonesty, please visit the Student Judicial services Web site at <http://deanofstudents.utexas.edu/sjs>

Undergraduate Writing Center

The Undergraduate Writing Center, located in the FAC 211, phone 471-6222, <http://www.utexas.edu/cola/centers/uwc/> offers individualized assistance to students who want to improve their writing skills. There is no charge, and students

may come in on a drop-in or appointment basis.

Services For Students With Disabilities

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Religious Holidays

Religious holy days sometimes conflict with class and examination schedules. If you miss a work assignment or other project due to the observance of a religious holy day you will be given an opportunity to complete the work missed within a reasonable time after the absence. It is the policy of the University of Texas at Austin that you must notify each of your instructors at least fourteen days prior to the classes scheduled on dates you will be absent to observe a religious holy day.

University Electronic Mail Notification Policy

All students should become familiar with the University's official e-mail student notification policy. It is the student's responsibility to keep the University informed as to changes in his or her e-mail address. Students are expected to check e-mail on a frequent and regular basis in order to stay current with University-related communications, recognizing that certain communications may be time-critical. It is recommended that e-mail be checked daily, but at a minimum, twice per week. The complete text of this policy and instructions for updating your e-mail address are available at <http://www.utexas.edu/its/policies/emailnotify.html>. (Optional: In this course e-mail will be used as a means of communication with students. You will be responsible for checking your e-mail regularly for class work and announcements.)

Use of Canvas

This course uses Canvas to manage student's work, grades, etc. Canvas is a Web-based learning management system in which a password-protected site is created for each course.