AET 139 –
Intro To Augmented Reality
Wednesdays @ 5pm-8pm   DFA 4.126 (computer lab)
Lecturer: Johannes Larcher
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This class is currently offered to upper division students only. Class limited to 15 upper division SDCT students.

Synopsis

This course covers the history, potential, technological breakthroughs and limitations, as well as the business and real life applications of Augmented Reality. Far from a new concept, AR has recently emerged as the heir apparent to the VR Hype of 2015/6, and is attracting significant consumer interest and venture capital investment. This course dives deep into the concepts and underpinning technologies of AR, studies examples of successful and unsuccessful AR ventures, and introduces a framework for evaluation of high potential use cases of AR within the constraints of today and tomorrow. This course employs the Socratic Method of teaching, and participating students must be comfortable with speaking publicly, getting called on to participate in group discussion, and debating issues with fellow students.

Weekly Syllabus

Class	Date	Topic
1	Sept 5	The media and entertainment business innovation paradox. A brief history of immersive computing. Definitions of extended reality categories. Core technologies at the heart of extended reality.
2	Sept 12	Extended reality as the ultimate empathy and productivity machine. The XR hype and disillusionment cycle. Adoption cycle dynamics. AR's unique opportunity to achieve mass adoption.
3	Sept 19	Case Studies in AR Hardware: Google Glass, Microsoft Hololens, Magic Leap, Apple iOS, Google Android and more.
4	Sept 26	Case Studies in AR Experiences: Pokemon Go, Blippar, Snapchat Filters/Lenses, StoreViz, Wayfair and more.
5	Oct 3	The future is augmented. A discussion of possible scenarios for the evolution of augmented reality.

Please note: class will <u>not</u> meet on October 3rd. A voluntary makeup class will be offered on October 5th at 4pm, location DFA 4.106.

Grading

The final grade will depend on the following:

- Attendance 25%
- Class Participation 25%
- Final Paper 50%

Final Paper assignment will be published on Canvas by 09-15-2018 and will be due by 10-17-2018.

No plus/minus grades will be given.

Required Reading

All required reading materials will be published on Canvas. Some of these reading materials will come at a modest cost and will need to be purchased by students.

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 dishonest 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**.**