Course Syllabus

Course Number: ID 4823
Course Title: Accessible Information and Communication Technology (ICT)
Instructors: Christopher M. Lee
Credit Value: 03

Course Description

This course is an introduction to accessible Information and Communication Technology (ICT). ID 4823 will expose students to barriers, global initiatives, and accessibility factors for designing inclusive ICT environments for people with disabilities, including cognitive, sensory and mobility.

Course Learning Objectives

Through participation in this course, students meet the learning objectives by gaining and applying course knowledge in:

- Understanding barriers and characteristics of accessible ICT global initiatives for persons with disabilities;
- Analyzing the impacts of assistive technology, accessible mainstream technology and usability testing;
- Producing accessible digital, multimedia material;
- Understanding and evaluating for accessible applications, including website, mobile, and gaming platforms; and,
- Understanding the role of the Internet of Things and Smart Cities in inclusive environments.

Course Structure, Format and Time Allocation

ID 4823 is a five-week, online edX pre-recorded course that will consist of video lectures, weekly class activities, a weekly project, and readings and video resources.

Weekly Lectures and Activities. The weekly pre-recorded, self-directed lectures will be posted. The lectures are designed with instructor content, subject expert interviews, and related activities. The weekly activities should be completed within the week timeframe.

Cyber Café. The ICT Cyber Café will host student interactive activities including a suggestion box, student polls, one-minute papers, and student-generated questions.

Weekly Class Project. The weekly projects are in conjunction with the AXSChat. AXSChat is an open online community of individuals dedicated to creating an inclusive world. AXSChat will host weekly subject matter interviews and Twitter chats which are designed to enhance the ID 4823 learning experience. Students will have the opportunity to participate in the live programming which begins on Tuesday, or through the archived AXSChat programs. During the
fourth week of the class, three students will be chosen to be interviewed and participate on AXSChat about what content has been most useful to them over previous AXSChat programs. The AXSChat students will be chosen anonymously by their peers based on the relevance of their contributions to the class activity. Participation is central to achievement in the course.

The final exam will consist of 75 multiple-choice questions. The exam will include questions from class lectures, reading, activities and weekly project content.

Times and exam protocol information will be posted on the edX platform.

**Prerequisite Knowledge**
Knowledge of eAccessibility is helpful, but not necessary. ID 4823 is an introductory course. Students are not expected to have disability, programming, or design experience, but they will be expected to learn the basics as part of the course. The course will provide instruction on the use of subjective and objective types of analysis to assess accessibility and usability.

**General Responsibilities and Expectations**

**Attendance.** Students should be willing to attend all classes, and work individually. Students will have two (2) unexcused absences. All other absences will require documentation. Please contact http://honor.gatech.edu to document the student absence.

**Participation.** Students will be expected to actively participate in course work. Participation will be measured by the student work in class, being interactive in class, and responding to lectures. To be successful in this ID 4823 course, students are expected to complete course video lectures within the time frame of the week.

**Deadlines.** Students will upload their projects or assignments prior to the scheduled deadline. Students are responsible for all material and assignments covered during class. It is the student’s responsibility to download information/notes/assignments from missed classes.

**Evaluation Criteria and Grading.** Projects will be evaluated on demonstrated understanding and relevance to assignment criteria, clarity of representation, written presentation, and class engagement.

**Grading and Time Allocation**
Grading will be based on the Georgia Institute of Technology system (A=90-100, B=80-89, C=70-79, D=60-69, F=below60). No plus or minuses will be applied to the final grade. Final grades will be based on an aggregate point total for participation, individual assignments/activities, weekly projects, and final exam. Grading for this course will be based on class participation and all assignments.
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<thead>
<tr>
<th>Item</th>
<th>Name</th>
<th>%</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Activities</td>
<td>30%</td>
<td>Class activities will be given each week. Sample activities could include software interaction, UCD evaluation and testing, and review podcasts/video content. Students will be evaluated on class postings, reflection papers, or accessible product development projects.</td>
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<tr>
<td>2</td>
<td>ICT Cyber Café Participation</td>
<td>20%</td>
<td>Discussion, posts, responses to lectures in the ICT Cyber Café. The student will have the option to choose two activities to demonstrate his/her knowledge after each recorded call section: class blog, muddiest point, one-minute paper, or student-generated test question.</td>
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<tr>
<td>3</td>
<td>Weekly AxsChat Project</td>
<td>30%</td>
<td>Watch five AXSChat subject expert interviews and choose one of these options to summarize what was learned: (1) If the student can participate in the live program on Tuesday, there is an option for the student to post responses to six Twitter questions which will be provided by AXSChat related to the topic. If not, the student may: (2) Write a brief two-page summary of what was learned, OR (3) Create a brief 2-minute video summarizing what was learned.</td>
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<tr>
<td>4</td>
<td>Final Exam</td>
<td>20%</td>
<td>Comprehensive Exam</td>
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<tr>
<td>All</td>
<td>Total</td>
<td>100%</td>
<td>Course Grade</td>
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**Exam Proctoring**

Students will be provided with an on-line proctor resource for the final exam. Student will be required to have a webcam and a microphone during the proctoring of the final exam. The final exam is the only exam which will need to be proctored. Students enrolled in ID 4823 will not be required to nominate a Proctor.

**Textbooks and Required Resources**

There is not a required textbook for this course. The following books offer a more in-depth examination of the issues explored in this course, but purchase is optional.


**Recommended Reference Materials**

Students must have a computer with internet access and Microsoft Office to access the freely available resources for this class, including key documents, standards, articles, and other materials for resource reading and viewing posted online with the course.
General Notes

About the Instructor. Christopher Lee, Ph.D., is the Director and Department Head of AMAC
Accessibility Solutions and Research Center in the College of Design at The Georgia Institute of
Technology. Dr. Lee earned his doctorate in interdisciplinary studies, with a focus on social
psychology and assistive technology. He oversees a wide range of initiatives, with an emphasis
on technology services, products, and research focusing on improving the human condition
through equal access to technology-based and research-driven information, services, and
products, for individuals with disabilities.

Dr. Lee is an advocate and pioneer in promoting social entrepreneurship to benefit humankind
and further strive for sustainable social change in the field of disabilities. His work centers on the
innovation of new models and techniques to support accessible electronic information in
corporate, governmental and nonprofit entities. Dr. Lee is a nationally recognized advocate,
author, speaker, principal investigator, and leader in the fields of learning disabilities and
adaptive technology.

Contacting the Instructor. You may ask questions and ask for clarification via e-mail, in class,
or by scheduling an appointment during my office hours (MW 2-4; TT 10-12). The best way to
request meetings is via e-mail at christopher.lee@amac.gatech.edu. E-mails will be answered
as soon as possible but within 24 hours. Meetings can also be requested via phone/skype.

Contact Information:
512 Means Street | Suite 250 | Atlanta, GA 30318
O. 404.894.8000 | F. 404.894.8323 | @leecm363 | @AMAC_Tweet |
Skype. christopher1914

Academic Misconduct/Honor Code. Students in this course are responsible for behaving in
accordance with Georgia Tech Academic Honor Code. No non-academic behaviors such as
inappropriate classroom behavior, false claims of performance, or plagiarism will be allowed.
For more information, the Institute Student Honor Code is printed in the Georgia Tech General
Catalog as well as at www.honor.gatech.edu on the web.

Accessibility Requirements. If any student requires assistance or accommodations, please
inform the instructor prior or during the first week of class. Note that students requesting
accommodations must be registered with the GT Office of Disability Services.