SYSTEMS DESIGN COLLOQUIUM

COURSE NUMBER: DIG4905	CREDIT HOURS: 1
SEMESTER/YEAR: SPRING 2016	CLASS LOCATION: NRG 0205
	CLASS MEETING TIME(S): MONDAYS 4TH PERIOD
INSTRUCTOR: *Angelos Barmpoutis*	**OFFICE LOCATION/HOURS:** *M&W 6 PER AT CSE 428*
COURSE TA OR COORDINATOR: *TBD*	**COURSE WEBSITE:** *http://elearning.ufl.edu*

COURSE COMMUNICATIONS: Students can communicate directly with the instructor regarding the course material. Students are also encouraged to post general questions to the discussion board through the course management system.

COURSE DESCRIPTION: Systems Design Colloquium is a seminar type class in which students of the Systems Design track of the BA in DAS program will explore the current affairs in their study track. Students will research, communicate, and analyze the contemporary trends in digital arts and sciences.

PREREQUISITE KNOWLEDGE AND SKILLS: Students must be officially accepted in BA in DAS program, and be formally categorized as Systems Design Track.

PURPOSE OF COURSE: The purpose of this course is to help your professional development as a researcher. The material you will learn in this course will focus on contemporary and professional issues in systems design, as they pertain to the field of digital arts and sciences.

COURSE GOALS AND/OR OBJECTIVES: By the end of this course, students will be able to:
1. Discuss the current trends in systems design area of digital arts and sciences
2. Apply the newly acquired knowledge to their own plans for future education
3. Successfully perform future research on the topic
4. Present their research to their peers

COURSE SCHEDULE:

Week	Topic	Assignments
1	Discussion of contemporary trends in Interactive Software Development, with focus on Systems Design for Mobile platforms	
2	Discussion of contemporary trends in Interactive Software Development, with focus on Systems Design for Mobile platforms	

3	Discussion of contemporary trends in Natural User Interaction, with focus on Systems Design	
4	Discussion of contemporary trends in Natural User Interaction, with focus on Systems Design	
5	Discussion of contemporary trends in Head-Mounted displays, with focus on Systems Design	
6	Discussion of contemporary trends in Head-Mounted displays, with focus on Systems Design	
7	Discussion of contemporary trends in 3D scanning, with focus on Systems Design	
8	Discussion of contemporary trends in 3D rendering, with focus on Systems Design	
9	Discussion of contemporary trends in Scalable systems, with focus on Systems Design	Peer review 1
10	Discussion of contemporary trends in Scalable systems, with focus on Systems Design	
11	Discussion of contemporary trends in Visualization Systems, with focus on Systems Design	Peer review 2
12	Discussion of contemporary trends in Visualization Systems, with focus on Systems Design	
13	Discussion of contemporary trends in Tele-health systems, with focus on Systems Design	Peer review 3
14	Discussion of contemporary trends in Personalized learning, with focus on Systems Design	
15	Discussion of contemporary trends in Personalized Entertainment, with focus on Systems Design	**Project due**

REQUIRED TEXTBOOKS:

NONE

RECOMMENDED MATERIALS:

During this colloquium several readings on the aforementioned topics will be provided and discussed in class during lectures or as part of assignments. Representative readings are listed below:

 K. Hale and K. Stanney, Handbook of Virtual Environments: Design, Implementation, and Applications, Second Edition, CRC press, July 2014.

Y. Mao, S. K. Agrawal, Design of a cable-driven arm exoskeleton (carex) for neural rehabilitation,Robotics, IEEE Transactions on 28 (4) (2012) 922–931.

A. Barmpoutis, et al. "Interactive 3D digitization, retrieval, and analysis of ancient sculptures, using infrared depth sensors for mobile devices", Lecture Notes in Computer Science (Springer). Vol. 9178(Part IV), pp. 3-11.

Report on "Teens, Video Games and Civics", Pew Internet & American Life Project, September 2008. http://www.pewinternet.org/

Spaeth-Hilbert, T., Seufert, T., & Wesner, S. (2013). Lecture-Recordings: A solution for students of psychology as a minor subject? *Journal of e-Learning and Knowledge Society*, *9*(2).

EVALUATION OF GRADES

Assignment	Total Points	Percentage of Grade
Student Project	500	50%
Peer Review of 3 other projects (3x200 words)	300	30%
Participation – Students are expected to actively participate in class discussions, both in class as well as in class online forum after each class meeting.	200	20%

GRADING SCALE:

Letter Grade	% Equivalency	GPA Equivalency
A	94 – 100%	4.0
A-	90 – 93%	3.67
B+	87 – 89%	3.33
B	84 – 86%	3.00
B-	80 – 83%	2.67
C+	77 – 79%	2.33
C	74 – 76%	2.00
C-	70 – 73%	1.67
D+	67 – 69%	1.33
D	64 – 66%	1.00

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| D- | 60 – 63% | .67 |
| E, I, NG, S-U, WF | | 0.00 |

More information on grades and grading policies is here:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

COURSE POLICIES:

ATTENDANCE POLICY:

a. Requirements for class attendance and make-up exams, assignments, and other work are consistent with university policies that can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx
b. At the sole discretion of the instructor, documented emergencies or medical situations may be the only acceptable reasons for an excused absence. At the very least, students must contact the instructor 24 hours before class time if they wish to be considered for an excused absence.
c. Each class meeting is a percentage. The percentage number is based on the number of class meetings and is counted by taking attendance at the beginning of each class. Students are responsible for satisfying all academic objectives as defined by the instructor. Absences count from the first class meeting.

MAKE-UP POLICY:

Presentations may not be presented late. Documented emergencies or medical situations may be the only accepted reasons for an excused absence on the day of a presentation.

COURSE TECHNOLOGY: The students will be required to have access, and use a personal computer with the access to the Internet. Word editing software will be required for written assignments.

UF POLICIES:

ACADEMIC INTEGRITY:

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. "* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment*." It is assumed that you will complete all work independently in each course unless the

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instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php

CLASS DEMEANOR:
Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES:
Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT:
Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at http://www.dso.ufl.edu/students.php.

NETIQUETTE: COMMUNICATION COURTESY:
All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats, more information can be found at: http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf

ONLINE COURSE EVALUATIONS:
Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results/.

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GETTING HELP

For issues with technical difficulties for E-learning in Sakai, please contact the UF Help Desk at:
- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- https://lss.at.ufl.edu/help.shtml

Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.
Other resources are available at http://www.distance.ufl.edu/getting-help for:
- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Disclaimer: This syllabus represents the instructor's current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

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