**CPSC 5555 Special Topics: Japanese Contributions to Technology**

**Summer 2013 Syllabus (subject to change)**

**Instructor information**

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**Course Description**

**Computer Science 5555 – Special Topics: Japanese Contributions to Technology:** Study of topics of special interest in computer science, or directed experience in computer science by means of lecture, discussion, seminar, and research. May be taken for a maximum of nine hours.

Meets TBA

Mandatory field trips in Japan include trips to

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| --- | --- |
| ・Orientation for students of the short term study abroad program  ・ Campus tour by Teikyo University students  ・Discussions with Japanese students and international students of Teikyo University (Possible topics of the discussions will be Japanese *anime*, *manga*, cultures and so on.)  ・Exchanges with members of Teikyo University’s clubs and group activities.    (tea ceremony club, *manga* study club, Judo medicine )  ・Classes taught in English by professors of Teikyo University  ・Easy-to-use Japanese Conversation Classes  ・Farewell party and SHOW&TELL by students of the short term study abroad program (With participation of Japanese students of Teikyo Uni.)  ・Ceremony for program completion certificate | ・Visit Edo-Tokyo Museum, the famous shopping lane in Asakusa, *Sensoji* Temple, and Tokyo SkyTree  ・Visit Nikko shrine and Edo Wonderland Nikko  ・Enjoy Tokyo with Teikyo University students! (Cultures of comic cafes, Shibuya, Ginza, Harajuku, Akihabara)  ・Experiencing of Japanese food culture (Japanese food, *Sushi*, *ramen,* etc.)   * “The Machine Industry Memorial Foundation (TEPIA)”, a museum focusing on Japan’s contributions to technology * Panasonic Center * Toei Animation Gallery**.** * Ghbli Museum * Kawada Industries, Inc - one of the world’s leading developers of humanoid robots. * Honda Collection Hall * NHK Science and Technology Research Labs |

**Prerequisite(s)**

* Technological literacy
* Junior standing if undergraduate, or graduate student.
* Overall GPA of 2.5

In the current offering, there is a mandatory trip to Japan during the second and third weeks of the May semester. This visit is at an additional fee that includes airfare, lodging and daily field trips to places that use wireless technology in day-to-day operations and applications.

**Learning objectives**

1. Students will have an understanding of the Japanese contributions to technology in

a. video games.

b. robotics

c. communications

2. Students will understand the influence of Japanese anime and manga on computer games.

3. Students will gain valuable research, technical and interpersonal skills.

4. Students will learn how to solve problems and communicate in a collaborative environment.

5. Students will gain an appreciation of the intertwined nature of technology in almost all aspects of human endeavor. Through mandatory field trips, students will experience the applications and future trends in a number of technologies.

6. Students will gain an appreciation of Japanese culture and its influence on technology.

**Required textbook(s) none**

**Supplementary materials**

Class notes, class handouts, in-class work, field trip experiences, journal reports, student presentations and independent research (online and offline) will also count toward course assessment criteria.

**Assessment criteria (see rubrics - -**[**http://csc.columbusstate.edu/summers/NOTES/5555-japan/Grading%20Rubrics.htm**](http://csc.columbusstate.edu/summers/NOTES/5555-japan/Grading%20Rubrics.htm)**)**

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|  | **Undergrad** |
| Journal Assignment | 30% |
| 4 field trip reports (4 in Japan) | 5% each, total 20% |
| Research Paper (Japanese technology) | 30% |
| Presentation of experiences | 20% |

Total points possible 100%

**Grading scale**

A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: below 60%

**Journal Assignment**

Students will be expected to keep an electronic journal that discusses material from the readings and the field trips in Japan and reflects on the experiences.

**Field trip reports**

Out of the 10+ field trips planned, four need to be reported on for credit toward the course grade. Three of theses reports are due before we return from Japan along with collaborating journal entries and notes from the field. Field trip report deadlines are not flexible for any reason. Make sure you maintain a detailed journal of the field trips as they happen in order to provide an accurate and complete report later.

**Presentation of experiences and/or research**

You may discuss your research and/or talk about 2 of the field trip experiences that were not chosen for your reports. In the presentation, the emphasis should be on what the field trip meant for you rather than just a factual account of the visit. Comparison should be made between the two field trips discussed. Presentations should be professionally completed and a copy of the slides provided as handouts to the audience.

**Research Paper (Japanese technology)**

The Research Paper should focus on Japanese technology. You can discuss the history of the selected technology and / or compare with the chosen technology in other countries.

**Extra credit**

There are no provisions for extra credit in this course.

**Special note to graduate students**

In order to obtain graduate credit in this course, you will be required to do an additional paper and additional field trip report. Graduate students will be expected to submit higher quality work.

**Instructor responsibilities**

* Clarifying expectations at the outset, including details of assessment instruments
* Providing lecture notes, assignments and announcements in a timely manner
* Mentoring and assisting with field trips and journaling
* Developing and implementing relevant and interesting field trips
* Actively responding to student concerns
* Providing mentoring, technical assistance and other services to students

**Student responsibilities**

* Managing time and maintaining the discipline required to meet course requirements
* Covering all readings in a timely manner
* Keeping up with assigned work and journaling in a timely manner
* Participating actively and fully in field trips to achieve learning objectives
* Behaving in an ethical, responsible and professional manner
* Adhering to regulations and complying with academic integrity
* Responding promptly to faculty member’s communications and concerns

“I didn’t know” is not an acceptable excuse for failing to meet the course requirements. If you fail to meet your responsibilities, you do so at your own risk.

**Summer 2013 (subject to change)**

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| **Day** | **Activity** | **Location** |
| April | * Pre-trip orientation * Final trip preparation | CSU |
| Monday,  5/13/2013 | * Instruction and coverage of fundamental concepts * Introduction to Japanese language and culture | CSU |
| Tuesday, 5/14/2013 | * Orientation lecture * Flight to Tokyo, Japan | Details TBD |
| Wednesday, 5/15/2013 | * Arrival at Narita Airport * Transfer by from the airport to Seminor House | Tokyo- Seminor House |
| Thursday, 5/16/2013 | * Welcome to Teikyo University * Guided bus and walking tour of **Teikyo University** * Japan Language course * Tea Ceremony, Animation Club | Tokyo- Seminor House / Teikyo University |
| Friday, 5/17/2013 | * Meeting session with CSU professor in the morning (approx. 1 hours) * Visit **TEPIA Robotics and Science Museum** (<http://www.tepia.jp/english/>) * Panasonic Center | Tokyo- Seminor House |
| Saturday, 5/18/2013 | * Meeting session with CSU professor in the morning at (approx. 1 hours) * Visit **Toei Animation** **Gallery** * HOME VISIT | Tokyo- Seminor House |
| Sunday, 5/19/2013 | * Sensoji Temple / Asakusa / Edo Toyko Museum (<http://www.edo-tokyo-museum.or.jp/english/>) * free time (can visit **Akihabara Otaku Paradise** (<http://wikitravel.org/en/Tokyo/Akihabara>) | Tokyo- Seminor House |
| Monday, 5/20/2013 | * Japanese Culture classes * Visit Ghibli Museum | Tokyo- Seminor House |
| Tuesday, 5/21/2013 | * **Utsunomiya** Campus tour * Lecture on 3D visualization (Dr. Shigeru Sasaki/Dr. Naoki Kondo) * Meeting session with CSU professor in the late afternoon at (approx. 1 hour) * Evening games competition with Teikyo students | Tokyo -> Utsunomiya |
| Wednesday, 5/22/2013 | * Meeting session with CSU professor (approx. 1 hour) and afterwards time for journaling * Field trip to **Kawada Industries** (<http://global.kawada.jp/mechatronics/index.html>) * Honda Collection Hall (<http://world.honda.com/collection-hall/>) | Concere Hotel |
| Thursday, 5/23/2013 | * Meeting session with CSU professor (approx. 1-2 hours) * Visit to the **Nikko Shrine Area**(<http://www.japan-guide.com/e/e3800.html>) * Nikko Edo-mura (<http://www.japan-i.jp/explorejapan/kanto/tochigi/nikko/4oa00l0000006rrk.html>) | Concere Hotel |
| Friday, 5/24/2013 | * Meeting session with CSU professor (approx. 1-2 hours) * Lecture on anime/manga (Dr. Shigeru Sasaki/Dr. Naoki Kondo) * farewell party for students | Utsunomiya – Tokyo (City Hotel) |
| Saturday, 5/25/2013 | * NHK Science and Technology Research Labs (<http://www.nhk.or.jp/strl/english/index.html>) | Tokyo(City Hotel) |
| Sunday, 5/26/2013 | * Meeting session with CSU professor in the late-morning (after breakfast times) at the hotel (approx. 1 hours) * Free day… | Tokyo(City Hotel) |
| Monday, 5/27/2013 | * Free day | Tokyo(City Hotel) |
| Tuesday, 5/28/2013 | * Meeting session with CSU professor on campus (approx. 1-2 hour) * Prepare Show & Tell * Show & Tell Ceremony * Farewell Dinner (**Teikyo University**) | Tokyo(City Hotel) |
| Wed. 5/29/2013 | * Transfer to the airport * Departure from Narita airport to the USA | Specific travel information TBD |
| Thurs.- . 5/30/2013 | * Recuperate from flight |  |
| Friday  5/31 – 6/ 1/2013 | * Post-trip wrap-up * Instructor/student debriefing * Student presentations on experience | Columbus State University |
| Monday  6/4/2013 | * Student presentations on experience * Survey |  |

**Academic dishonesty**

Academic dishonesty includes, but is not limited to, activities such as cheating and plagiarism (http://aa.ColumbusState.edu/advising/a.htm#Academic Dishonesty/Academic Misconduct). It is a basis for disciplinary action. Any work turned in for individual credit must be entirely the work of the student submitting the work. All work that is not your own MUST be properly cited. This includes any material found on the Internet. Stealing, giving or receiving any code, diagrams, drawings, text or designs from another person (CSU or non-CSU, including on the Internet) is not allowed. Having access to another person’s work on the computer system or giving access to your work to another person is not allowed. It is your responsibility to keep your work confidential.

No cheating in any form will be tolerated. The penalty for the first occurrence of academic dishonesty is a grade of F in this course. Other penalties include suspension from the Computer Science program at CSU and/or dismissal from the program. All instances of cheating will be documented in writing in the university records. Students will be expected to discuss the academic misconduct with the faculty member and the chairperson of the department. For more details see [http://aa.ColumbusState.edu/faculty/FacHandbook0203/sec100.htm#109.14](http://aa.colstate.edu/faculty/FacHandbook0203/sec100.htm#109.14) and the Student Handbook: [http://sa.ColumbusState.edu/handbook/handbook2003.pdf](http://sa.colstate.edu/handbook/handbook2003.pdf)

Academic honesty is highly valued at Columbus State University. You must always submit work that represents your own original ideas. If any programming or ideas are used that do not represent your original work, then you must cite all relevant sources. Ideas that require citations include, but are not limited to, all hardcopy or electronic publications, whether copyrighted or not, and all verbal or visual communication when the content of such communication clearly originates from an identifiable source.

**Attendance**

Missing an exam is considered an absence. Missed classes caused by participation in University-sponsored events will not count as absences provided you notify me of such anticipated absences in advance. You are responsible for all class work missed, regardless of the reason for the absence(s). Late assignments will not be accepted, nor will late discussion postings. No makeup exams or makeup labs will be given, so please make sure you are present for all exams and labs. Refer to the CSU catalog, CSU student handbook and [http://aa.ColumbusState.edu/advising/a.htm#Attendance%20Policy](http://aa.colstate.edu/advising/a.htm#Attendance%20Policy) for more information on class attendance and withdrawal. I may drop you for excessive absences according to CSU policy.

**Student web space and email account**

All currently enrolled students (including online students) can request free Web server space on the CSU student Web server. Simply go to [http://students.ColumbusState.edu](http://students.colstate.edu) and click on the "Get Free Web Pages" icon. Then click on the links to request the account. Under normal circumstances, the account and space will be created in a matter of seconds. This server is also .NET capable. As a CSU student, you also have an email account with the form [lastname\_firstname@ColumbusState.edu](mailto:lastname_firstname@colstate.edu). Since most CSU-related emails are sent to this account, please check it regularly or enable email forwarding to another account.

**Website**

It is your responsibility to frequently look at the course websites for up-to-date knowledge of the course activities. I am not responsible for missed assignments or exams because you did not read an announcement regarding the deadlines.

**CSU's ADA compliance statement**

If you have a documented disability, as described by the Rehabilitation Act of 1973 (P.L. 933-112 Section 504) and the Americans with Disabilities Act (ADA) and subsequent amendments and would like to request academic and/or physical accommodations, please contact the Office of Disability Services in the Schuster Student Success Center (room 221), 706-507-8755, (<http://disability.columbusstate.edu/>) as soon as possible. Course requirements will not be waived, but reasonable accommodations may be provided as appropriate.

**PLEASE SEND THE FOLLOWING INFORMATION TO ME AS SOON AS POSSIBLE.**

**CPSC / ITDS 5555: Japanese Contributions to Technology Summer 2013**

Student’s full name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Declaration: I have read and understood the various components of the syllabus. I agree to abide by the policies outlined. (You must sign and date below).

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_