

CPSC 5555G Special Topics: Chinese Contributions to Technology

Summer 2014 Syllabus (subject to change)

Instructor information

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Course Description

Computer Science 5555 – Special Topics: Chinese 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 and activities include

Activities on campus:

- Orientation for students of the short term study abroad program
 - Campus tour by Beijing Institute of Petrochemical Technology students
 - Discussions with Chinese students and international students of Beijing Institute of Petrochemical Technology (Possible topics of the discussions will be Chinese *anime*, *manga*, cultures and so on.)
 - Exchanges with members of Beijing Institute of Petrochemical Technology 's clubs and group activities.
(Tea ceremony club, *manga* study club, martial arts club)
 - Classes taught in English by professors of Beijing Institute of Petrochemical Technology
(If possible, Chinese students of Beijing Institute of Petrochemical Technology may attend the classes)
 - Easy-to-use Chinese Conversation Classes
- Farewell party and SHOW&TELL by

Activities outside campus:

- **China Science & Technology Museum, Shanghai Science and Technology Museum**
- **Zhongguancun Technology Park** tour (Z-park in Beijing)
- Tour of the Great Wall, Ming Tombs, Imperial Palace / Forbidden City, half-day sightseeing / shopping in Beijing.
- Enjoy Beijing with students from BIPT! (Cultures of comic cafes: **Gulou East Street, Soshow** at Chongwenmen)
- Bullet Train from Beijing to Shanghai.
- Enjoy Shanghai with students from Shanghai Open University! (Bund, River)
- Experience Chinese food culture (with students of BIPT and Shanghai Open University)

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| CSU students (With participation of Chinese students of Beijing Institute of Petrochemical Technology) - Ceremony for program completion certificate | |
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Prerequisite(s)

- o Technological literacy
- o graduate student.
- o Overall GPA of 2.5

In the current offering, there is a mandatory trip to China 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 Chinese contributions to technology in
 - a. video games.
 - b. robotics
 - c. communications
2. Students will understand the influence of Chinese 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 Chinese 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>) [(grad students will be assessed at a higher level)]

| | Grad |
|--------------------------------------|--------------------|
| Journal Assignment | 25% |
| 5 field trip reports | 5% each, total 25% |
| Research Papers (Chinese technology) | 2 @20% = 40% |
| Presentation of experiences | 10% |
| 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 China and reflects on the experiences.

Field trip reports

Four field trips need to be reported on for credit toward the course grade. Three of these reports are due before we return from China 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 the field trip experiences. 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 (Chinese technology)

The Research Paper should focus on Chinese 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 2014 (subject to change)

| Day | Activity | Location |
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| April | ▪ Pre-trip orientation | CSU |

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| | <ul style="list-style-type: none"> ▪ Final trip preparation | |
| Monday, 5/19/2014 | <ul style="list-style-type: none"> ▪ Instruction and coverage of fundamental concepts ▪ Introduction to Chinese language and culture | CSU |
| Tuesday, 5/20/2014 | <ul style="list-style-type: none"> ▪ Orientation lecture ▪ Flight to Beijing, China | Details TBD |
| Wednesday, 5/21/2014 | <ul style="list-style-type: none"> ▪ Arrival at Beijing Airport ▪ Transfer by from the airport to BIPT | BIPT |
| Thursday, 5/22/2014 | <ul style="list-style-type: none"> ▪ Welcome to BIPT ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ BIPT Orientation ▪ Chinese & Culture Lectures ▪ Club Activities ▪ Welcome Party | BIPT |
| Friday, 5/23/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Culture Lectures ▪ Visit to the home of student / faculty | BIPT |
| Saturday, 5/24/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Transfer by public transportation to Imperial Palace | BIPT |
| Sunday, 5/25/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Visit Great Wall and Ming Tombs by university bus | BIPT |
| Monday, 5/26/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Attend CS lectures to prepare for project ▪ Meeting session with CSU professor in the late-afternoon (approx. 1.5 hours) and afterwards time for journaling | BIPT |
| Tuesday, 5/27/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Transfer by public transportation during the morning to China Science & Technology Museum | BIPT |
| Wednesday, 5/28/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Transfer by public transportation during the morning to Z-Park to <ul style="list-style-type: none"> ○ Tour Z-Park ▪ work with Chinese company on a project | BIPT |
| Thursday, 5/29/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Transfer by public transportation during the day to Z-Park to work with Chinese company ▪ Prepare Show&Tell Presentation | BIPT |
| Friday, 5/30/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) | BIPT |

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| | <ul style="list-style-type: none"> ▪ Show&Tell / Farewell Party ▪ Free afternoon... | |
| Saturday, 5/31/2014 | <ul style="list-style-type: none"> ▪ Free day ▪ Farewell Banquet | Beijing |
| Sunday, 6/1/2014 | <ul style="list-style-type: none"> ▪ Take bullet train to Shanghai ▪ Tour Shanghai ... | Beijing/ Shanghai |
| Monday, 6/2/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Subway to Shanghai Museum of Science ▪ Other Museum | Shanghai |
| Tuesday, 6/3/2014 | <ul style="list-style-type: none"> ▪ Meeting session with CSU professor in the morning on campus (approx. 1 hour) ▪ Supercomputer Center ▪ Free time for shopping and touring riverside | Shanghai |
| Wed. 6/4/2014 | <ul style="list-style-type: none"> ▪ Transfer to the airport ▪ Departure from Shanghai airport to the USA | Specific travel information TBD |
| Thurs.- . 6/5/2014 | <ul style="list-style-type: none"> ▪ Recuperate from flight | |
| Friday 6/6 – 6/9 1/2014 | <ul style="list-style-type: none"> ▪ Post-trip wrap-up ▪ Instructor/student debriefing ▪ Student presentations on experience | Columbus State University |
| Monday 6/4/2014 | <ul style="list-style-type: none"> • 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](http://aa.ColumbusState.edu/advising/a.htm#Academic%20Dishonesty/Academic%20Misconduct)). 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> and the Student Handbook: <http://sa.ColumbusState.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> 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> 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. 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.

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| CPSC / ITDS 5555: Chinese Contributions to Technology | Summer 2014 |
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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: _____