

CS 580 Client-Server Programming  
Fall Semester, 2012  
Syllabus  
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CS 580 Syllabus

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Office Hours	3:15-5:15 Tuesday & Thursday, 10 am - noon Friday

Course WWW Site: <http://www.eli.sdsu.edu/courses/fall12/cs580/index.html>  
All course handouts will be delivered via WWW at the above URL.

**Texts:** Java Network Programming 3<sup>rd</sup>, Harold O'Reilly  
Beginning Android 4, Grant Allen, Apress, 2012, 978-1-4302-3984

**Prerequisites:** Java. Note CS576 is recommended but not required. All programming will be done with Java in this course

CS580 is an advanced undergraduate course. We will be covering topics from a number of other 500 level courses: CS514 Database Theory & Implementation, CS 532 Software Engineering, CS535 Object Oriented Programming, CS551 User Interface Environments, CS570 Operating Systems, CS574 Computer Security and CS576 Computer Networks & Distributed Systems. You will be required to understand a lot of diverse material and apply it in programs. While CS580 does not require a lot of prerequisites, it does require a high level of programming skills. In the past students without strong programming skills have found the course overwhelming and this was reflected in their grades.

In the recent past a number of students have claimed to know Java but had little working knowledge of the language. This had a negative impact on their grades. September 10 is the last day to drop the course. After that date it is nearly impossible to drop the course. Grades in this course are based only on performance of the student. Problems with languages (English and/or Java) are not considered in assigning grades.

**Late Policy:** Late homework will be accepted, but with a penalty. An assignment turned in 1-7 days late, will lose 3% of the total value of the assignment per day late. The eight day late the penalty will be 40% of the assignment, the ninth day late the penalty will be 60%, after the ninth day late the penalty will be 90%. Once a solution to an assignment has been posted or discussed in class, the assignment will no longer be accepted. Late penalties are always rounded up to the next integer value.

**Grading:** Your grade in this class will be based on homework and programs and one exam. There will be between 4 and 8 programming assignments. Missing a programming assignment may drop your course grade by at least two full letter grades. Some assignments in this class may seem easy at first glance. This causes some students to delay starting the assignment. Often they find out too late that the assignment is harder than they think, which hurts their grade.

Item	Percent of Grade
Homework & Programs	75%
Exam - October 23	25%

Note that CS 580 is an undergraduate course. In an undergraduate course a C is a passing grade. A students ranking, undergraduate or graduate student, is not considered when determining grades.

**Course Outline:**

- Source Version Control
- Testing
- Network Basics
- Android
- Client Development Issues
- Concurrency
- Server Types & Structure
- Client-Server Protocols
- Logging
- Databases
- Security
- Web Services

**No Extra Credit:** There will not be any extra credit assignments. There will not be any extra credit problems in the assignments.

**Cheating:** Any one caught cheating will receive an F in the course and they will be reported to the SDSU Judicial Procedures Office.