**Rajat Aggarwal, mentioning only courses available in Spring 2016**

**Mobile Computing (taught by Ayan Banerjee)**

**Description of course:**

The course do not teach about Android programming a lot but there is a project which can help you get the basics of Android framework. You would be asked to create a small app and given enough time to do it. Most of the marks in this course is for tests and exams which asks theory questions and numericals on mobile networks, power, mobile offloading, location management, etc. Papers are fairly easy and most of the time open book.

**What you get to learn:**

Most of the practical learning that you get comes from your project on Android. Rest of the theoretical course may or may not be of interest to you. Professor uses very easy to understand language and if you are interested in doing thesis or research in this domain, this course will be of big help.

**Software Security (was taught by Stephen Yau, now being taught by Adam Doupe)**

**Description of course:**

As this is the first time Adam Doupe will be taking this course, there are some things that are going to be different. But from my experience under Prof. Yau I can say that you get to learn a lot of technologies in this course. It is a very good course for someone who is interested in security domain.

**What you get to learn:**

Spring Security, Hibernate/JDBC, Security techniques and concepts. This will be the project you will speak about the most in interviews. It’s a mega project where you have to work with a large team.

**Data Mining (taught by Calliss)**

Calliss gives a test in each class based on previous classes. Questions are fairly easy and it is easy to score. The course will teach basics about data classification techniques, regression analysis, etc. which forms the fundamentals in this subject. There will be some numericals to solve in the test but all the questions are pretty much standard.

**Advanced Geometric Modeling (taught by Gerald Farin, now being taught by Prof. Hansford)**

If you are into computer graphics, you will love taking this course. There is a lot to learn if you dive in, but if you don’t want to study computer graphics, you would face difficulties with assignments. The tests that Dr. Farin gave were very easy. This is a fairly easy subject to score, but with Prof. Hansford taking this course, things might change. She is very smiling and good to talk to though.

What you get to learn: Mostly surfaces and curves programming in Mathematica. These forms the basics of computer graphics in mostly mechanical industries like automobiles.

**Topic: Foundations of Algorithms (taught by Baoxin Li, now being taught by Colbourn)**

This is a foundation course. Algorithms was very interesting and it can be useful in interview too. Colbourn will have his own format but for us we had 3 exams of 25 percent each and 6 assignments of 25 percent. The course is one of the easier one to take in Foundation courses but under Colbourn story can be different. What you get to learn is pretty clear from syllabus and book.