
ECS 189L — Cryptography and Surveillance

Spring 2020 – 4 Units – CRN 84289

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Lect/Disc **MWF 1-2** in Olson 206

Film Viewing **F 3-5*** in Young 194

*For students taking a class with a scheduling conflict with the Friday film viewing (e.g., ECS 162 or ECS 170), the films will be made available for home viewing, and you can still enroll by PTA number.

This course will span **applied cryptography** and **surveillance studies**. Cryptography is the art and science of private communication. The field is mathematical, fascinating, and arcane. Surveillance studies grounds how and why your privacy has vanished, and why it matters. The area is creepy, depressing, and generally ignored.

My intent is to give approximately equal time to matters technical and sociopolitical. Some classes will be conventional lectures; others will be discussion-based. Topics will range from classical encryption to the use of surveillance in disrupting social-change movements. Our class should be a good choice for upper-division CS/CSE students who are also interested in social, ethical, and political questions; and an equally good choice for students with the obverse orientation. I also plan to show quite a few interesting films.



Image from *The Matrix* (1999), one of many films I plan to screen