**ECLT 5830 Final exam arrangement**

**Time and Venue**: 2:30 to 5pm on 21 Apr at ERB404.

**Format**:

* Closed-book, closed-note, but you can bring along a A4-size "cheat sheet" (double sided) to the exam.
* Code writing will be kept to minimal. Most questions will involve reading code.

**Coverage**

1. HTML
2. CSS

* CSS selectors
* Block vs inline vs inline-block elements
* Media Queries

1. HTTP

* GET vs. POST methods
* Meaning of each HTTP header field (those listed in the lecture notes)
* How cookies are represented in HTTP requests/responses?
* How cookies work?

1. Server-side scripting (PHP)

* How to retrieve parameters from a query string in a GET/POST request?
* How to get/set HTTP headers?
* How session works?
* How to get/set cookies
* How to retrieve and decode data sent via Ajax?

1. What are the advantages of using a relational database in a web application?

* EXCLUDE SQL and PHP mysqli’s functions.

1. Clint-side scripting (JavaScript)
   1. DOM manipulation (with jQuery syntax)
   2. Ajax (with jQuery syntax)
   * How to use Ajax to send HTTP request to a server?
   * Synchronous vs. Asynchronous communication
2. Security

* What is the Same-Origin Policy?
* What to validate?
* How to prevent cross-site scripting (XSS) and cross-site request forgery (CSRF)?