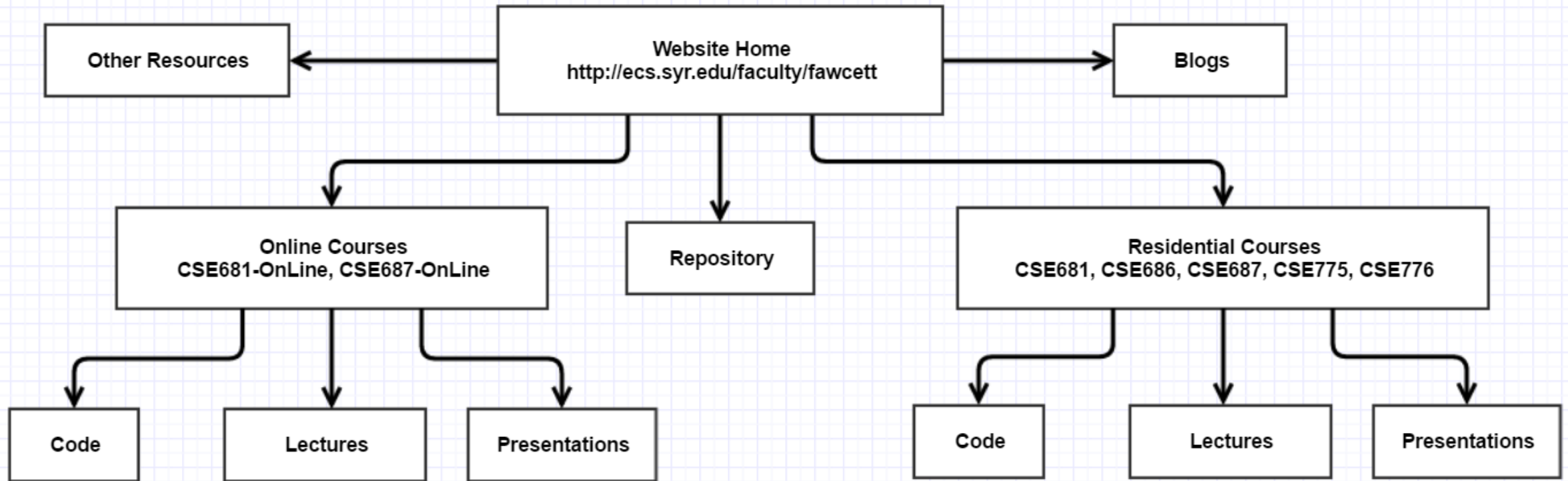


# Website Resources for All Courses Served by this Site

Jim Fawcett

<http://ecs.syr.edu/faculty/fawcett>

# Website Structure



- This diagram illustrates the resources that are available to you on this website.
- Almost all of these you will access from links on one of the lecture pages.

# Website Top-Level Menu

File Edit View History Bookmarks Tools Help

Principles x Piazza | Class Settings x Home x +

ecs.syr.edu/faculty/fawcett/handouts/webpages/FawcettHome.htm

Norton jim fawcett Safe Search THIS PAGE IS SECURE

Home Courses Core Tech Directories Projects Blog Research EECS Resources Site Map

**Courses**  
CSE681-SMA  
CSE686-IP  
CSE687-OOD  
CSE775-DO  
CSE776-DP  
CSE784-SS  
CSE681-OnLine  
CSE687-OnLine  
C++ Short Course  
Sample Code  
Presentations  
Office Hours  
Program Plan  
SW Track  
Lecture Videos  
Notices  
Academic Calendar  
Student Projects

**Jim Fawcett**  
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(315) 443-3333  
twitter: @fawcett  
Schedule ->  
About

**Purpose:**  
The site serves as a resource for former students, as a portal into a sequence of software design courses over the last twenty five years. This page links to descriptions of each of the courses containing presentations and code used as an integral part of these courses.

Infrastructure for this site - the collection of its pages and linking structure - has been evolving for years, and that process continues. The goal of the site is to organize notes, presentations, demonstration code and reusable code modules. The content is intended to help to make frequent references as you take courses from the sequence described here.

Revised: 04/26/2017 07:25:37

"Good judgement comes from experience, and experience comes from bad judgement."  
- Jim Horning

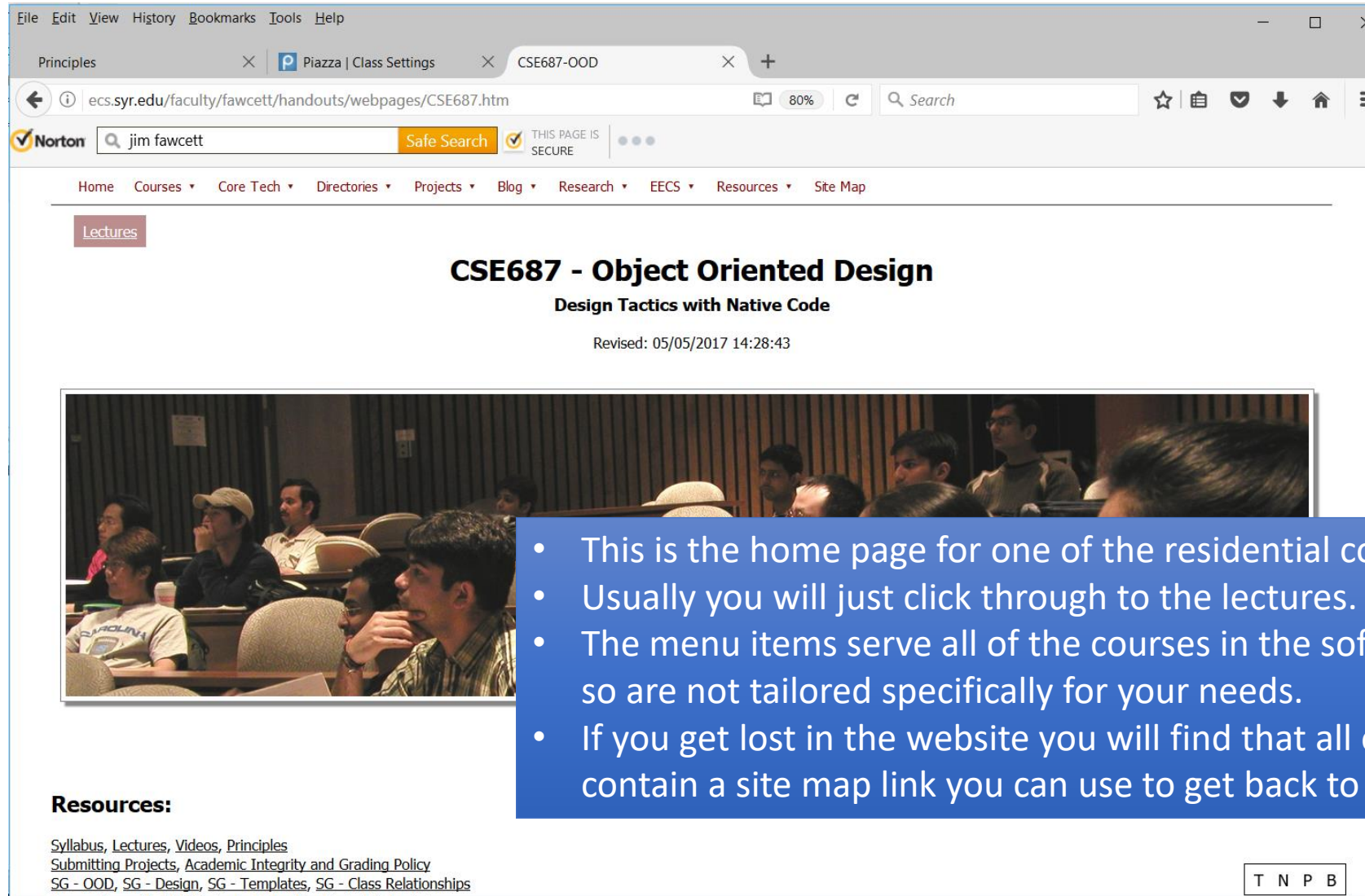
Syracuse, New York 13244  
fawcett@cs.cornell.edu

Chatting with Mohammed Koni

T N P B

- This is the home page for the entire website.
- You will usually just click through to one of the Course links.

# CSE687 Home



File Edit View History Bookmarks Tools Help

Principles | Piazza | Class Settings | CSE687-OOD

ecs.syr.edu/faculty/fawcett/handouts/webpages/CSE687.htm

80% Search

Norton jim fawcett Safe Search THIS PAGE IS SECURE

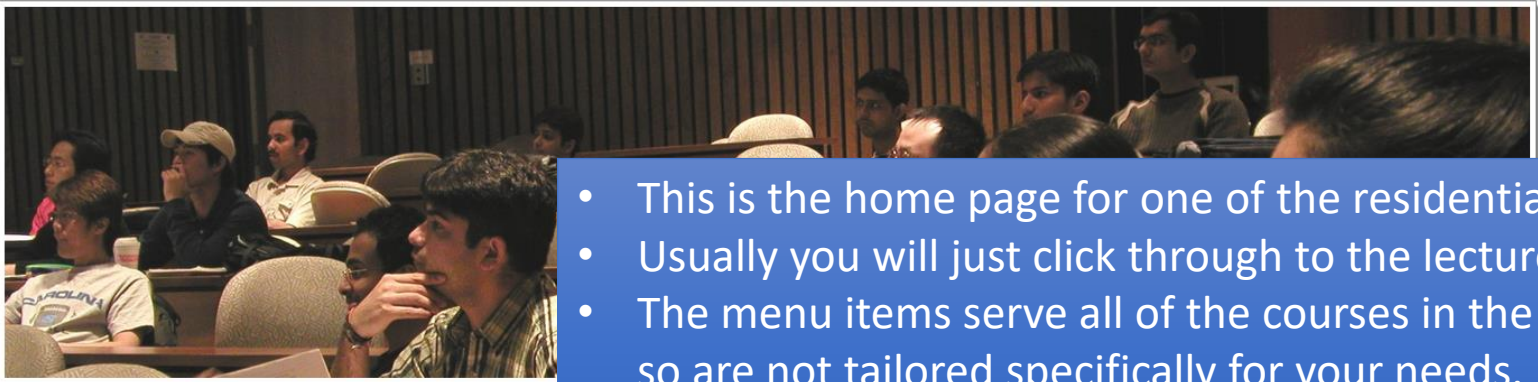
Home Courses Core Tech Directories Projects Blog Research EECS Resources Site Map

Lectures

## CSE687 - Object Oriented Design

Design Tactics with Native Code

Revised: 05/05/2017 14:28:43



- This is the home page for one of the residential courses.
- Usually you will just click through to the lectures.
- The menu items serve all of the courses in the software track so are not tailored specifically for your needs.
- If you get lost in the website you will find that all of the menus contain a site map link you can use to get back to this page.

**Resources:**

[Syllabus](#), [Lectures](#), [Videos](#), [Principles](#)  
[Submitting Projects](#), [Academic Integrity and Grading Policy](#)  
[SG - OOD](#), [SG - Design](#), [SG - Templates](#), [SG - Class Relationships](#)

T N P B

# Lecture Level Menu : Lectures

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** Principles, Piazza | Class Settings, Home, Lect #1.
- Address Bar:** file:///c:/su/CSE687/Lectures/cse687codeL1.htm
- Navigation Bar:** Home, Course, Syllabus, Lectures (selected), Projects, Notes, Study Guides, Directories, Tech Links, Office Hours.
- Page Content:**
  - Lectures:** A dropdown menu listing 18 items: Videos, L1: Intro, L2: C++, L3: Encaps, L4: ADT1, L5: ADT2, L6: Templ1, L7: Templ2, L8: Hier1, L9: Hier2, L10: LSP, L11: OCP, L12: DIP, L13: Thrds1, L14: Thrds2, L15: MT Rev, L16: MidTrm, L17: MT Rslts, L18: Socks1.
  - Section Header:** **Lect 1 - Introduction to OOD**
  - Sub-headers:** Projects, Exams, Class Mechanics
  - Text:** Revised: 02/04/2017 13:55:34
  - Web Resources:** CppReference.com, CPlusPlus.com, CppCon - 2014, Going Native 2014, Herb Sutter's Blog, Herb Sutter, Scott Meyer's Blog, S.M. on three, Stroustrup's Home Page, Code P...
  - Content:** (Empty section)
  - Course Goal:** (Empty section)
- Callout Box:** A blue box with white text stating: "This drop-down lets you quickly navigate to any of the lectures in this course. It also gives you an idea of the course structure and contents."
- Footer:** T N P B

# Lecture-Level Menu : Projects

The screenshot shows a web browser window with the address bar displaying `file:///c:/su/CSE687/Lectures/cse687codeL1.htm`. The browser's address bar includes a search icon, a magnifying glass, and a search input field. Below the address bar, there is a Norton Safe Search bar with a green checkmark and the text "THIS PAGE IS SAFE".

The website's navigation menu is visible, with the "Projects" dropdown menu open. The dropdown menu contains the following items:

- Project #1
- Project #2
- Project #3
- Project #4
- Getting Started
- Advice
- Constructing Submissions
- Uploading Projects
- Grading Policy
- Visual Studio 2012 Help
- Visual Studio 2012 - MSDN
- Visual C# - MSDN
- .Net Framework - MSDN
- CppReference.com
- Visual C++ - MSDN
- Std C++ Libraries - MSDN
- C++ Tech Links
- Presentations

The main content area of the website displays the following text:

## Introduction to OOD

### Exams, Class Mechanics

2/04/2017 13:55:34

**Web Resources:**

[CppReference.com](#), [CPlusPlus](#), [CppCon - 2014](#), [Going Native](#), [Herb Sutter's Blog](#), [Herb Sutter's Blog](#), [S.M. on the](#), [Stroustrup's Home Page](#), [Code](#)

**Content:**

**Course Goal:**

T N P B

**Callout Box:**

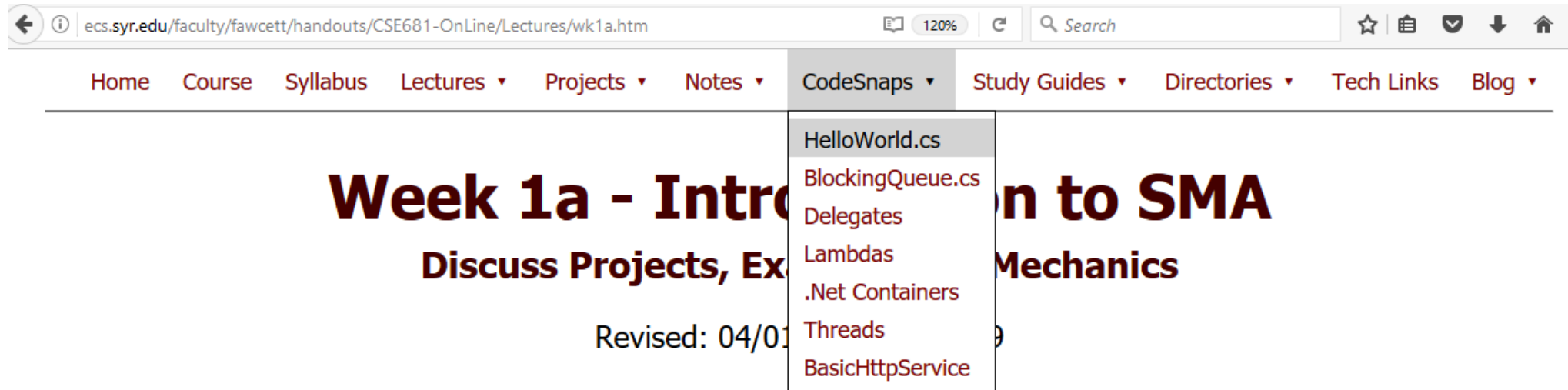
- This project drop-down gives you quick access to your project statements.
- The remaining items on the drop-down are shared with all the other residential courses and are not specifically tailored to your experience with this course.

# Lecture-Level Menu : Notes

The screenshot shows a web browser window with the following elements:

- Browser tabs: Principles, Piazza | Class Settings, Home, Lect #1
- Address bar: file:///c:/su/CSE687/Lectures/cse687codeL1.htm
- Search bar: Norton Safe Search
- Navigation menu: Home, Course, Syllabus, Lectures, Projects, Notes (selected), Study Guides, Directories, Tech Links, Office Hours
- Main content area: **Lecture #1 - Introduction**, **OOD**, **Web Resources:**, **Content:**, **Course Goal:**
- Dropdown menu (Notes):
  - Language Notes --
  - 01 - C vs C++
  - 02 - C++11
  - 03 - Classes
  - 04 - Class Relationships
  - 05 - Templates
  - Design Notes --
  - 06 - Design Principles (highlighted)
  - 07 - Single Responsibility
  - 08 - Encapsulate
  - 09 - Least Knowledge
  - 10 - Prime Directives
  - 11 - Application/Solution side
  - 12 - Namespaces
  - 13 - Top-Down
  - 14 - Bottom-Up
  - 15 - Incremental Development
  - 16 - Partitions
  - 17 - Interfaces
- Callout box (left):
  - Notes are small presentations of one specific idea.
  - The intent is to focus your attention on an important idea or process.

# Lecture-Level Menu : CodeSnaps



The screenshot shows a web browser window with the URL `ecs.syr.edu/faculty/fawcett/handouts/CSE681-OnLine/Lectures/wk1a.htm`. The browser's address bar shows a search icon and the text "Search". The page has a navigation menu with items: Home, Course, Syllabus, Lectures, Projects, Notes, CodeSnaps, Study Guides, Directories, Tech Links, and Blog. The "CodeSnaps" menu is expanded, showing a list of code examples: HelloWorld.cs, BlockingQueue.cs, Delegates, Lambdas, .Net Containers, Threads, and BasicHttpService. The main content area of the page is partially visible, showing the text "Week 1a - Introduction to SMA" and "Discuss Projects, Ex Mechanics".

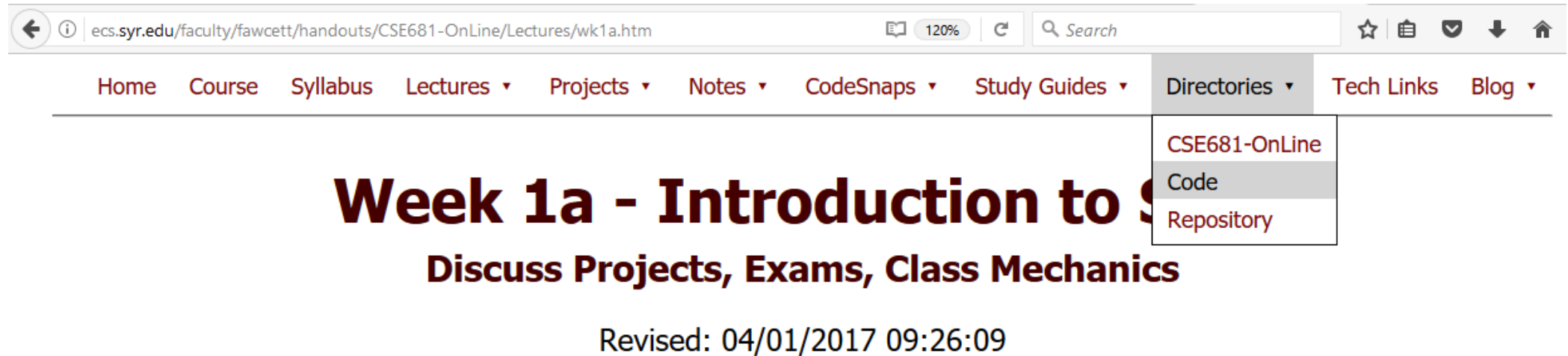
## Synopsis:

This lecture is an introduction to the topics covered in this course, its project notions of Software Architecture, and we will discuss a standard notation to be used in surveying a lot of topics which will be examined in more detail in following lectures.

- CodeSnaps are code embedded in webpages.
- That gives you quick access to important code examples without the need to download and open in Visual Studio
- We will add more CodeSnaps as needed, based on your questions during the Lectures.



# Lecture-Level Menu : Directories



The screenshot shows a web browser window with the URL `ecs.syr.edu/faculty/fawcett/handouts/CSE681-OnLine/Lectures/wk1a.htm`. The browser's address bar includes a search icon, a search input field with the text "Search", and icons for star, folder, shield, download, and home. Below the address bar is a navigation menu with the following items: Home, Course, Syllabus, Lectures, Projects, Notes, CodeSnaps, Study Guides, Directories, Tech Links, and Blog. The "Directories" menu is open, showing three options: CSE681-OnLine, Code, and Repository. The "Code" option is highlighted. Below the navigation menu, the main content area displays the title "Week 1a - Introduction to S" in a large, bold, dark red font. Below the title is the subtitle "Discuss Projects, Exams, Class Mechanics" in a smaller, bold, dark red font. At the bottom of the main content area, the text "Revised: 04/01/2017 09:26:09" is displayed in a smaller, dark red font.

## Synopsis:

This lecture is an introduction to the concepts covered in this course, including the notions of Software Architecture and how to discuss a standard notation. The lecture is surveying a lot of topics.

- The Code Directory has code examples that you can download and run in Visual Studio.
- The Repository contains code you may wish to use in your projects.
- You will be allowed to use any code from the Repository, as part of your projects, but you may not use code downloaded from elsewhere on the web.

End Website Intro