

# Course Syllabus

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CIS 260 Introduction to XML

## Syllabus

While this course is a fully on-ground class, the materials and information here are provided for your reference. Additionally, assignments will be turned in through the Canvas classroom.

**CIS 260 Introduction to XML**

**5 Credits**

**Fall 2017**

**Section S**

***Class Information:***

Meeting: Mondays and Wednesdays  
Lecture: 6:00 to 8:40 p.m.  
SNH-0124

Office Hours Monday and Wednesday 1:00p.m. – 5:00pm (or by appointment)

Textbook: Beginning XML, 5th Edition  
Joe Fawcett et al.  
Wrox Press © 2012  
Available online at [books24/7](http://librarydb.edcc.edu:2048/login?url=http://library.books24x7.com/library.asp?%5EB) (<http://librarydb.edcc.edu:2048/login?url=http://library.books24x7.com/library.asp?%5EB>)

**Recommended Supplies:** Although it is not required it is strongly suggest that you acquire a thumb drive to save your work on at the end of each class. Snohomish 124 provides additional tools for students not available in other labs. However, there are drawbacks within this lab as well.

**Instructor:** Louis HO

**Office:** Alderwood Hall 235A

**Phone:** 425.640.1308 (better to reach me by email - I spend my time in Snohomish Hall Room 124)

**E-mail:** [louis.ho@email.edcc.edu](mailto:louis.ho@email.edcc.edu) (<mailto:louis.ho@email.edcc.edu>)

**Final Exam:** Wed., Dec. 6, 2017 at 6:00 p.m. to 8:40 p.m. (No make up exam will be given if you are unable to attend. Do NOT schedule flights or vacations before the final exam date.)

### ***Course Description, Objectives, and Deliverables***

Topics include how XML is used in Web sites and data storage applications, XSL, incorporating style with XSL and CSS, Namespaces, DTDs and Schemas.

Prerequisite: CIS 100 and CIS 114 with minimum grades of 3.0 or equivalent.

Upon successful completion of this course, students should be able to:

- Explain how XML is used to exchange applications.
- Explain how XML is used in document publications.
- Create, structure, and script XML documents.
- Demonstrate proper XML syntax.
- Explain element hierarchies in an XML document.
- Write well-formed XML documents.
- Use Namespaces in XML
- Add style to XML using CSS and XSL.
- Transform XML into other formats using XSLT.
- Use XPath for locating specific XML data.
- Manipulate XML documents using DOM.

- Create XML DTDs and Schemas.
- Validate XML using DTDs and Schemas.
- Incorporate XML into traditional databases. (Time allowed)

*Course deliverables are intended to:*

1. provide hands-on practice
2. encourage you to seek related knowledge on your own
3. assess your understanding of the concepts covered in this course

Exams: There will be four quizzes/1 exam during the quarter. NO MAKE-UP EXAMS  
WILL BE GIVEN, UNLESS PREARRANGED!

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### ***Assignments and Grading***

Grading will be on a mix of the percentage of points available for assignments, quizzes and tests:

In Class Lab Assignments: 10 points each, 210 total

Chapter Exercises (Home Assignments): 10 points each, 210 total

4 Midterm term Quizzes: 24, 33, 20, 60 each, 137 total

Final Quiz: 60 points

Total Possible Points: 617

See the Grade Table below for the grade point equivalents.

### **Grading Table**

Grade Points for Percentage of Points earned			Letter Grade Equivalency
4.0=95%	2.9=84%	1.8=73%	A = 4.0 - 3.9
3.9=94%	2.8=83%	1.7=72%	A- = 3.8 - 3.5
3.8=93%	2.7=82%	1.6=71%	B+ = 3.4 - 3.2
3.7=92%	2.6=81%	1.5=70%	B = 3.1 - 2.9
3.6=91%	2.5=80%	1.4=69%	B- = 2.8 - 2.5
3.5=90%	2.4=79%	1.4=68%	C+ = 2.4 - 2.2
3.4=89%	2.3=78%	1.4=67%	C = 2.1 - 1.9
3.3=88%	2.2=77%	1.3=66%	C- = 1.8 - 1.5

3.2=87%	2.1=76%	1.2=65%	D+ = 1.4 - 1.2
3.1=86%	2.0=75%	1.1=64%	D = 1.1 - 0.9
3.0=85%	1.9=74%	1.0=63%	D- = 0.8 - 0.7

## V grades and I Grades

As stated in Edmonds Community College Catalog:

"V - An instructor-initiated withdrawal. The final grade issued if an instructor initiates a class withdrawal before the end of the quarter, often in consultation with the student, or if a student enrolls in a class but never attends or stops attending class. A faculty member is under no obligation to grant an instructor-initiated withdrawal."

"I - The incomplete is given at the discretion of the instructor only when the student has done satisfactory work but could not, for some unavoidable reason, complete some part of the coursework or take the final examination. The student and instructor prepare and sign an "Incomplete Grade Contract" (located in division offices) specifying the work to be completed. The contract will include the date by which all work must be submitted and the grade that will be submitted if the work is not completed. Incompletes given prior to Fall Quarter of 1990 will be assigned letter grades

## STUDENT RESOURCES

Useful [Student Resources](http://students.edcc.edu/default.html) [\\_ \(http://students.edcc.edu/default.html\)](http://students.edcc.edu/default.html) (full URL:

<http://www.edcc.edu/students> [\\_ \(http://www.edcc.edu/students/\)](http://www.edcc.edu/students/))

[Academic Calendar](http://www.edcc.edu/calendar/academic.html) [\\_ \(http://www.edcc.edu/calendar/academic.html\)](http://www.edcc.edu/calendar/academic.html) (full

URL: <http://www.edcc.edu/calendar/academic.html> [\\_ \(http://www.edcc.edu/calendar/academic.html\)](http://www.edcc.edu/calendar/academic.html))

[Advising](http://www.edcc.edu/getting-started/advising/default.html) [\\_ \(http://www.edcc.edu/getting-started/advising/default.html\)](http://www.edcc.edu/getting-started/advising/default.html) (full URL:

<http://www.edcc.edu/advising> [\\_ \(http://www.edcc.edu/advising/\)](http://www.edcc.edu/advising/))

[Center for Student Engagement and Leadership](http://students.edcc.edu/csel/default.html) [\\_ \(http://students.edcc.edu/csel/default.html\)](http://students.edcc.edu/csel/default.html) (full

URL: <http://www.edcc.edu/csel> [\\_ \(http://www.edcc.edu/csel/\)](http://www.edcc.edu/csel/))

[College Policies and Procedures](http://catalog.edcc.edu/content.php?catoid=23&navoid=6810) [\\_ \(http://catalog.edcc.edu/content.php?catoid=23&navoid=6810\)](http://catalog.edcc.edu/content.php?catoid=23&navoid=6810) (full

URL: <http://catalog.edcc.edu/content.php?catoid=23&navoid=6810>

[\\_ \(http://catalog.edcc.edu/content.php?catoid=23&navoid=6810\)](http://catalog.edcc.edu/content.php?catoid=23&navoid=6810))

**Counseling and Resource Center** (<http://www.edcc.edu/counseling/default.html>) (full URL: <http://www.edcc.edu/counseling> (<http://www.edcc.edu/counseling/>))

**Diversity Student Center** (<http://www.edcc.edu/dsc/default.html>) (full URL: <http://www.edcc.edu/dsc> (<http://www.edcc.edu/dsc/>))

**eLearning Information** (<http://www.edcc.edu/elearning/default.html>) (full URL: <http://www.edcc.edu/elearning> (<http://www.edcc.edu/elearning/>))

**Enrollment Services** (<http://www.edcc.edu/es/default.html>) (full URL: <http://www.edcc.edu/es> (<http://www.edcc.edu/es/>))

**Library, including online resources** (<http://www.edcc.edu/library/default.html>) (full URL: <http://www.edcc.edu/library> (<http://www.edcc.edu/library/>))

**Services for Students with Disabilities** (<http://students.edcc.edu/ssd/default.html>) (full URL: <http://www.edcc.edu/ssd> (<http://www.edcc.edu/ssd/>))

**Student Printing Information** (<http://students.edcc.edu/acs/printing/default.html>) (full URL: <http://students.edcc.edu/acs/printing> (<http://students.edcc.edu/acs/printing/>))

**Student Support Resources** (<http://students.edcc.edu/support/default.html>) (full URL: <http://www.edcc.edu/support> (<http://www.edcc.edu/support/>))

**TRIO** (<http://www.edcc.edu/trio/default.html>) (full URL: <http://www.edcc.edu/trio> (<http://www.edcc.edu/trio/>))

**Title IX and Gender Discrimination** (<http://www.edcc.edu/titleix/what-is-titleix/definitions/gender-discrimination.html>) (<http://www.edcc.edu/titleix/what-is-titleix/definitions/gender-discrimination.html>)

### *Additional CIS Student Information*

**COMPUTER INFORMATION SYSTEMS STUDENT INFORMATION.**  
(<http://infosec.edcc.edu/downloads/CIS%20Student%20Information.pdf>)

### ***Attendance Policies***

Students are expected to attend each class meeting. Up to 10% of your final grade will be based upon attendance and participation in class (or online).

### ***Access to Course Materials***

A Canvas classroom will be set up on the web for this class and will be a central repository of the course assignments as well as material you will need during the course. You are responsible for checking this site regularly for announcements and

other information. More information and instructions for setting up and accessing your Canvas account will be provided during the first week of class.

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### ***Classroom Conduct in the Labs***

Please be courteous of other classmates. If the computers become distracting or noisy during lectures, you may be asked to turn them completely OFF.

### ***Student Civility Code and Online Etiquette Expectations***

I expect that students will conduct themselves in accordance with the Student Civility Code. The goal of the Student Civility Code is to improve the way Edmonds Community College educates students in the values of personal responsibility, consideration for others, and mutual respect in the presence of difference and disagreement. This means that everyone (students and faculty) should engage in courteous discourse - verbal and non-verbal, electronic and written. The primary way that communication will take place in our class is through email, discussions and assignment feedback. I will always communicate with you in a respectful manner and my expectation is that you will communicate with me and your classmates in the same way.

### ***Emergency Preparedness:***

The Triton Alert System (full URL: <http://www.edcc.edu/alert/triton>) will be used to send notifications regarding campus closures, emergency situations, or evacuation orders in the event of an emergency or inclement weather. Edmonds CC students and employees are automatically enrolled to receive Triton Alerts through their college email addresses. Sign up to receive text and voice messages on your mobile or home phones and/or additional email notifications to personal email addresses.

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### ***Academic Integrity***

Discussing the course topics with your classmates is encouraged. Helping your classmates solve problems is also encouraged. However, all quizzes and individual work turned in for a grade must be done independently. No points will be awarded for individual deliverables found to contain work directly copied from others.

Plagiarism and/or cheating are totally unacceptable and will be dealt with severely and on an individual basis.

### **SERVICES FOR STUDENTS WITH DISABILITIES:**

If you require an accommodation for a disability, please contact Services for Students with Disabilities, MLT 159, (425) 640-1320, [ssdmail@edcc.edu](mailto:ssdmail@edcc.edu).

### **Course Calendar:**

#### **Week 1 - Well-Formed XML, 9-18-2017 Monday**

- Assignments:
  - Mon Sep 18, 2017
    - Install Microsoft Cloud Development Environment (In-Class Lab), due Sep 18 | 10 pts
    - Chapter 1 Exercise (Home Assignment), due Sep 25 | 10 pts
  - Wed Sep 20, 2017
    - Publish Microsoft Cloud Website (In-Class Lab), due Sep 20 | 10 pts
    - Chapter 2 Exercise (Home Assignment), due Sep 25 | 10 pts

#### **Week 2 - XML Namespaces, 9-25-2017 Monday**

- Assignments:
  - Mon Sep 25, 2017
    - Chapter 3 Exercise 1, Namespace (In-Class Lab), due Sep 25 | 10 pts
    - Chapter 3 Exercise 1 (Home Assignment), due Sep 27 | 10 pts
  - Wed Sep 27, 2017
    - Chapter 3 Exercise 2, SVG, Scalable Vector Graphics (In-Class Lab), due Sep 27 | 10 pts
    - Chapter 3 Exercise 2, SVG (Home Assignment), due Oct 2 | 10 pts

#### **Week 3 - Document Type Definitions (DTD), 10-2-2017 Monday**

- Assignments:
  - Mon Oct 2, 2017
    - Data Analytics Tableau (In-Class Lab), due Oct 2 | 10 pts

- Chapter 4 Exercise 1 (Home Assignment), due Oct 9 | 10 pts
- Wed Oct 4, 2017
  - Data Analytics MongoDB (In-Class Lab), due Oct 4 | 10 pts
  - Chapter 4 Exercise 2 (Home Assignment), due Oct 9 | 10 pts

#### Week 4 - XML Schemas, 10-9-2017 Monday

- Assignments:
  - Mon Oct 9, 2017
    - Chapter 5 Exercise 1, Node.js server (In-Class Lab), due Oct 9 | 10 pts
    - Chapter 5 Exercise 1 (Home Assignment), due Oct 16 | 10 pts
    - Quiz Chapters 1, 2 and 3, due Oct 16 | 24 pts
  - Wed Oct 11, 2017
    - Create Node.js website with Windows PowerShell ISE (In-Class Lab), due Oct 11 | 10 pts
    - Chapter 5 Exercise 2 (Home Assignment), due Oct 16 | 10 pts
    - Chapter 4, 5 Review Essay Questions, due Oct 16 | 10 pts

#### Week 5 - Extracting Data from XML, 10-16-2017 Monday

- Assignments:
  - Mon Oct 16, 2017
    - Node.js, MongoDB (In-Class Lab), due Oct 16 | 10 pts
    - Chapter 7 Exercise 1 (Home Assignment), due Oct 23 | 10 pts
    - Quiz Chapters 3, 4 and 5, due Oct 23 | 33 pts
  - Wed Oct 18, 2017
    - Chapter 7 Exercise 2, Node.js, XML 2 (In-Class Lab), due Oct 18 | 10 pts
    - Chapter 7 Exercise 2 (Home Assignment), due Oct 23 | 10 pts

#### Week 6 - XSLT (Extensible Stylesheet Language Transformations), 10-23-2017 Monday

- Assignments:
  - Wed Oct 25, 2017
    - Chapter 8 Exercise 1, Oracle (In-Class Lab), due Oct 25 | 10 pts
    - Chapter 8 Exercise 1 (Home Assignment), due Oct 30 | 10 pts



## Week 7 - XSLT (continued), 10-30-2017 Monday

- Assignments:
  - Mon Oct 30, 2017
    - Chapter 8 Exercise 2 Oracle User Database (In-Class Lab), due Oct 30 | 10 pts
    - Chapter 8 Exercise 2 (Home Assignment), due Nov 6 | 10 pts
  - Wed Nov 1, 2017
    - Chapter 8 Exercise 3, Oracle, XML (In-Class Lab), due Nov 1 | 10 pts
    - Chapter 8 Exercise 3 (Home Assignment), due Nov 6 | 10 pts

## Week 8 - XQuery, 11-6-2017 Monday

- Assignments:
  - Mon Nov 6, 2017
    - Chapter 8 Exercise 4, Oracle, XML 2 (In-Class Lab), due Nov 6 | 10 pts
    - Chapter 8 Exercise 4 (Home Assignment), due Nov 13 | 10 pts
  - Wed Nov 8, 2017
    - Cloud Big Data Analytics Hadoop (In-Class Lab), due Nov 8 | 10 pts
    - Chapter 9 Exercise 1 (Home Assignment), due Nov 13 | 10 pts

## Week 9 XML and Databases, 11-13-2017, Monday

- Assignments:
  - Mon Nov 13, 2017
    - Cloud Cassandra NoSQL database (In-Class Lab), due Nov 13 | 10 pts
    - Chapter 9 Exercise 2 (Home Assignment), due Nov 20 | 10 pts
  - Wed Nov 15, 2017
    - WAMP server (In-Class Lab), due Nov 15 | 10 pts
    - Chapter 10 Exercise 1, WAMP (Home Assignment), due Nov 20 | 10 pts

## Week 10 XML and MySQL, 11-20-2017, Monday

- Assignments:
  - Mon Nov 20, 2017
    - Chapter 10 Exercise 2 (In-Class Lab), due Nov 20 | 10 pts
    - Chapter 10 Exercise 2 (Home Assignment), due Nov 27 | 10 pts



## Week 11 AJAX (Asynchronous JavaScript and XML) and JSON (JavaScript Object Notation), 11-27-2017













- Assignments:
  - Mon Nov 27, 2017
    - Chapter 16 Exercise 1 (In-Class Lab), due Nov 27 | 10 pts
    - Chapter 16 Exercise 1 (Home Assignment), due Dec 4 | 10 pts
    - Practice Final Quiz, due Dec 4 | 20 pts
  - Wed Nov 29, 2017
    - Chapter 16 Exercise 2 (In-Class Lab), due Nov 29 | 10 pts
    - Chapter 16 Exercise 2 (Home Assignment), due Dec 4 | 10 pts
    - Final Quiz 1, due Dec 6 | 60 pts













## Week 12 Final, Written Exam, in-class SNH-124, Dec 9, Wednesday, 6pm (Chapter 9-16), 12-4-2017

















- Assignments:
  - Mon Dec 4, 2017
    - XML Applications Exercise (In-Class Lab), due Dec 4 | 10 pts
  - Wed Dec 6, 2017
    - Final Quiz 2, due Dec 6 | 60 pts

## Course Summary:

Date	Details	
Mon Sep 18, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769718">Install Microsoft Cloud Development Environment (In-Class Lab)</a> <a href="https://edcc.instructure.com/courses/1520470/assignments/10769718">(https://edcc.instructure.com/courses/1520470/assignments/10769718)</a>	due by 11:59p
Wed Sep 20, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769719">Publish Microsoft Cloud Website (In-Class Lab )</a> <a href="https://edcc.instructure.com/courses/1520470/assignments/10769719">(https://edcc.instructure.com/courses/1520470/assignments/10769719)</a>	due by 11:59p

Date	Details
Mon Sep 25, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769684">Chapter 1 Exercise (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769684">https://edcc.instructure.com/courses/1520470/assignments/10769684</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769685">Chapter 2 Exercise (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769685">https://edcc.instructure.com/courses/1520470/assignments/10769685</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769687">Chapter 3 Exercise 1, Namespace (In-Class Lab )</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769687">https://edcc.instructure.com/courses/1520470/assignments/10769687</a> ) due by 11:59p
Wed Sep 27, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769686">Chapter 3 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769686">https://edcc.instructure.com/courses/1520470/assignments/10769686</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769689">Chapter 3 Exercise 2, SVG, Scalable Vector Graphics (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769689">https://edcc.instructure.com/courses/1520470/assignments/10769689</a> ) due by 11:59p
Mon Oct 2, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769688">Chapter 3 Exercise 2, SVG (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769688">https://edcc.instructure.com/courses/1520470/assignments/10769688</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769691">Data Analytics Tableau (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769691">https://edcc.instructure.com/courses/1520470/assignments/10769691</a> ) due by 11:59p
Wed Oct 4, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769693">Data Analytics MongoDB (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769693">https://edcc.instructure.com/courses/1520470/assignments/10769693</a> ) due by 11:59p
Mon Oct 9, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769692">Chapter 4 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769692">https://edcc.instructure.com/courses/1520470/assignments/10769692</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769690">Chapter 4 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769690">https://edcc.instructure.com/courses/1520470/assignments/10769690</a> ) due by 6:59p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769696">Chapter 5 Exercise 1, Node.js server (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769696">https://edcc.instructure.com/courses/1520470/assignments/10769696</a> ) due by 11:59p
Wed Oct 11, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769697">Create Node.js website with Windows PowerShell ISE (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769697">https://edcc.instructure.com/courses/1520470/assignments/10769697</a> ) due by 11:59p

Date	Details
Mon Oct 16, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769699">Chapter 4, 5 Review Essay Questions</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769699">https://edcc.instructure.com/courses/1520470/assignments/10769699</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769694">Chapter 5 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769694">https://edcc.instructure.com/courses/1520470/assignments/10769694</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769698">Chapter 5 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769698">https://edcc.instructure.com/courses/1520470/assignments/10769698</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769701">Node.js, MongoDB (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769701">https://edcc.instructure.com/courses/1520470/assignments/10769701</a> ) due by 11:59p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769669">Quiz Chapters 1, 2 and 3</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769669">https://edcc.instructure.com/courses/1520470/assignments/10769669</a> ) due by 11:59p
Wed Oct 18, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769703">Node.js, MongoDB 2 (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769703">https://edcc.instructure.com/courses/1520470/assignments/10769703</a> ) due by 11:59p
Mon Oct 23, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769702">Chapter 7 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769702">https://edcc.instructure.com/courses/1520470/assignments/10769702</a> ) due by 6pm
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769700">Chapter 7 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769700">https://edcc.instructure.com/courses/1520470/assignments/10769700</a> ) due by 6pm
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769677">Quiz Chapters 3, 4 and 5</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769677">https://edcc.instructure.com/courses/1520470/assignments/10769677</a> ) due by 6pm
Wed Oct 25, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769705">Chapter 8 Exercise 1, Oracle (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769705">https://edcc.instructure.com/courses/1520470/assignments/10769705</a> ) due by 11:59p
Mon Oct 30, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769704">Chapter 8 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769704">https://edcc.instructure.com/courses/1520470/assignments/10769704</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769707">Chapter 8 Exercise 2 Oracle User Database (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769707">https://edcc.instructure.com/courses/1520470/assignments/10769707</a> ) due by 11:59p
Wed Nov 1, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769709">Chapter 8 Exercise 3, Oracle, XML (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769709">https://edcc.instructure.com/courses/1520470/assignments/10769709</a> ) due by 11:59p
Mon Nov 6, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769708">Chapter 8 Exercise 3 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769708">https://edcc.instructure.com/courses/1520470/assignments/10769708</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769706">Chapter 8 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769706">https://edcc.instructure.com/courses/1520470/assignments/10769706</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769711">Chapter 8 Exercise 4, Oracle, XML 2 (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769711">https://edcc.instructure.com/courses/1520470/assignments/10769711</a> ) due by 11:59p
Wed Nov 8, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769716">Cloud Big Data Analytics Hadoop (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769716">https://edcc.instructure.com/courses/1520470/assignments/10769716</a> ) due by 11:59p

Date	Details
Mon Nov 13, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769710">Chapter 8 Exercise 4 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769710">https://edcc.instructure.com/courses/1520470/assignments/10769710</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769712">Chapter 9 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769712">https://edcc.instructure.com/courses/1520470/assignments/10769712</a> ) due by 11:59p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769717">Cloud Cassandra NoSQL database (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769717">https://edcc.instructure.com/courses/1520470/assignments/10769717</a> ) due by 11:59p
Wed Nov 15, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10774186">WAMP server (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10774186">https://edcc.instructure.com/courses/1520470/assignments/10774186</a> ) due by 11:59p
Mon Nov 20, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769678">Chapter 10 Exercise 1, WAMP (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769678">https://edcc.instructure.com/courses/1520470/assignments/10769678</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769713">Chapter 9 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769713">https://edcc.instructure.com/courses/1520470/assignments/10769713</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769679">Chapter 10 Exercise 2 (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769679">https://edcc.instructure.com/courses/1520470/assignments/10769679</a> ) due by 11:59p
Mon Nov 27, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769680">Chapter 10 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769680">https://edcc.instructure.com/courses/1520470/assignments/10769680</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/11056751">Chapter 16 Exercise 1 (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/11056751">https://edcc.instructure.com/courses/1520470/assignments/11056751</a> ) due by 11:59p
Wed Nov 29, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/11056797">Chapter 16 Exercise 2 (In-Class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/11056797">https://edcc.instructure.com/courses/1520470/assignments/11056797</a> ) due by 11:59p
Mon Dec 4, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769681">Chapter 16 Exercise 1 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769681">https://edcc.instructure.com/courses/1520470/assignments/10769681</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769682">Chapter 16 Exercise 2 (Home Assignment)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769682">https://edcc.instructure.com/courses/1520470/assignments/10769682</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769668">Practice Final Quiz</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769668">https://edcc.instructure.com/courses/1520470/assignments/10769668</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769720">XML Applications Exercise (In-class Lab)</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769720">https://edcc.instructure.com/courses/1520470/assignments/10769720</a> ) due by 11:59p
Wed Dec 6, 2017	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769674">Final Quiz 1</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769674">https://edcc.instructure.com/courses/1520470/assignments/10769674</a> ) due by 6p
	 <a href="https://edcc.instructure.com/courses/1520470/assignments/10769670">Final Quiz 2</a> ( <a href="https://edcc.instructure.com/courses/1520470/assignments/10769670">https://edcc.instructure.com/courses/1520470/assignments/10769670</a> ) due by 11:59p