



**CIS 5345-110, CRN 80028, Extensible Markup Language (XML)**

Fall 2017 rev. 08.27.2017

Texas A&M University-Central Texas

**INSTRUCTOR AND CONTACT INFORMATION**

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**For Course Related Correspondence, use Canvas Inbox**

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**COBA Department Main Email: [cobainfo@tamuct.edu](mailto:cobainfo@tamuct.edu)**

**COBA Department Main Fax#: (254) 501-5825**

**Office Hours:**

| Location | Mon            | Tues                           | Wed            | Thurs                          | Fri            |
|----------|----------------|--------------------------------|----------------|--------------------------------|----------------|
| FH 323J  | By Appointment | 2:30-5:00 pm, & by appointment | By Appointment | 2:30-5:00 pm, & by appointment | By Appointment |
| Virtual  | By Appointment | By Appointment                 | By Appointment | By Appointment                 | By Appointment |

**Mode of instruction and course access:**

This is an ONLINE course – there will be NO “official” face-to-face classroom time. The A&M-Central Texas Canvas Learning Management System (Canvas) [\[https://tamuct.instructure.com\]](https://tamuct.instructure.com) will be our primary resource for the class information. You will use the Canvas username and password communicated to you separately to logon to this system. The course syllabus, schedule, supplemental readings, class announcements, power point slides, learning modules, homework assignments, exams and other course related documents will be posted on Canvas. Each student is responsible for the posted material, and should check Canvas at least daily for updates. The course outline in this syllabus shows the basic schedule for the semester.

**Student-instructor interaction:**

Please send all **course** related correspondence through Canvas “Inbox”. Please use TAMUCT email only when Canvas is not available (or for non-course related correspondence). I check email several times a day during the week and at least once during the weekends. I will attempt to respond within 24 hours Mon-Thurs and within 48 hours on Fri through Sun. Please do not hesitate to stop by my office during the scheduled office hours or contact me via phone,

Canvas Inbox, or TAMUCT email, if there are any personal problems or challenges that are hindering your regular progress in the course.

### **911 Cellular:**

Emergency Warning System for Texas A&M University – Central Texas

911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account.

Connect at [911Cellular](https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management) [https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

## **COURSE INFORMATION**

### **Course Overview and description:**

A fundamental problem facing electronic business transactions is the ability to transfer data from one enterprise to another. There have been several early attempts with some success (EDI) that are still in use. The difficulty is that the documents transported are not "self-describing". Any change to the kind of data, or quantity of data, requires negotiation and even development of new standards editions.

This course examines the use of XML and the related XSL(T) to achieve the desired degree of data portability between enterprises. The XML/XSL(T) specification exposes several elements to describe data, and provides a description of the data useful for mechanical validation.

### **Course Objective:**

#### **Student Learning Outcomes:**

Successful completion of this course should enable the student to:

1. Describe XML
2. Explain the role of XML in business
3. Create and validate XML documents
4. Describe and use appropriate namespaces and schemas
5. Format XML documents using cascading style sheets, XSLT and XPath
6. Demonstrate the use of XML as a data source
7. Describe the Document Object Model
8. Create interactive documents using JavaScript and XML

### **Required Reading and Textbook(s):**

*New Perspectives on XML*, 3<sup>rd</sup> ed., 2015, Course Technologies.

**Author:** Carey

**ISBN:** 978-1-285-07582-2

## **COURSE REQUIREMENTS**

Course Requirements: (include point values for each- not just a percentage)

**Exams:** There will be one Final Exam worth 200 points (20%). Makeup exams will be given ONLY when arrangements have been made PRIOR to the class meeting.

**Homework:** Homework will be assigned after each of the 9 chapters and is intended to reinforce the concepts discussed in class. Each homework assignment will be worth 20 points. There will also be a syllabus acknowledgement assignment and a discussion post describing your XML-related skills, each worth 10 pts (200 points total).

NOTE: NO Homework assignments will be dropped

### **Term Project:**

Each Student will be assigned to a group required to design an XML solution to a business problem. More information about this project will be distributed by the end of the fourth class day. Groups will be selectively assigned by the end of the 2<sup>nd</sup> week. The group project will be worth 300 points (30%).

### **Reading Assignments:**

All assigned chapters will be used as basis for class and/or Canvas discussions. Study the assigned readings before each class.

### **Research Paper:**

Each Student will be required to write a Research Paper. In the required paper, students will select and explore a current topic/trend in XML. It will consist of at least five double spaced pages (not including title page, table of contents, bibliography, appendixes, etc.) in length with 1" margins formatted in APA style. This is a professional paper – do not use informal language. Do not over quote your references, instead summarize what they say in your own words, and provide reference to the article. Every claim you make in the paper should have a peer-reviewed academic reference. Wikipedia is NOT academic and should not be used unless it is unavoidable. The paper must be submitted in MS Word format (.rtf, .doc, .docx). There will be three preliminary deliverables worth 20 points each. You will record and post a presentation of your paper, as well as critique others' paper presentations. The presentation will be worth 40pts. The final paper will be worth the remaining 100. (total: 300pts or 30%).

### **Participation/Discussion Questions:**

**Late Submissions:** Homework Assignments will be considered late if submitted after the due date/time. Homework turned in after the due date will be assessed a deduction of 5% per day, Monday-Thursday (20% per week) That means that NO submissions will be accepted if submitted more than 5 weeks after the due date.

Any submissions AFTER 5 weeks will be considered lack of participation and will result in a lower participation score. In addition, discussions (if assigned) MUST be completed within the week during which the discussion is assigned (i.e. late discussions will NOT be allowed). Late tests will NOT be accepted!

NOTE: NO work (nothing, nada, zilch) will be accepted after the last day of “class” (12/14/2017).

**Other Notes about assignments:**

1. All assignments (except .docx) will be zipped prior to submission to Canvas – any unzipped assignments (except .docx) will not be accepted.
2. If there are multiple parts, submit all parts in a SINGLE zip file. I would suggest you create a folder for each assignment, then you can zip that entire folder at once...
3. Make sure all programs are labelled in a logical manner that makes it easy for me to figure out which program is which.

**Grading Criteria Rubric and Conversion**

| Required Activity | Number | Points | Total |
|-------------------|--------|--------|-------|
| Final Exam        | 1      | 200    | 200   |
| Group Project     | 1      | 300    | 300   |
| Homework          | 10     | 20     | 200   |
| Term Paper        | 1      | 300    | 300   |
| Total             |        |        | 1000  |

| Range    | Letter Grade |
|----------|--------------|
| 1000-900 | A            |
| 890-800  | B            |
| 790-700  | C            |
| 690-600  | D            |
| 599-0    | F            |

**Posting of Grades**

All student grades will be posted on the Blackboard Grade book and students should monitor their grading status through this tool. Grades for weekly assignments, discussions, quizzes and exams should be posted (no guarantees) within 1 week following the due date.

**COURSE OUTLINE AND CALENDAR**

**Important University Dates:**

- August 28, Add/Drop/Late Registration begins
- August 30, Add/Drop/Late Registration ends, 16-week and 1st 8-week classes
- September 1, Priority Deadline to Submit Graduation Application
- September 4, Labor Day, CAMPUS CLOSED
- September 5, Last day to drop 1st 8-week classes with no record
- September 13, Last day to drop 16-week classes with no record
- September 22, Last day to drop a 1st 8-week class with a Q or withdraw with a W
- October 6, Deadline to submit graduation
- October 20, Last day to withdraw from the University (1st 8-week classes WF)
- October 23, Add/Drop/Late Registration begins, 2nd 8-week classes
- October 26, Add/Drop/Late Registration ends, 2nd 8-week classes
- October 30, Last day to drop 2nd 8-week classes with no record

November 10, Veteran's Day

November 10, Last day to drop with a Q or withdraw with a W (16-week classes)

November 17, Last day to drop a 2nd 8-week class with a Q or withdraw with a W

November 23-24, Thanksgiving, CAMPUS CLOSED

December 15, Last day to withdraw from the University (16-week and 2nd 8-week classes)

December 15, Last day to file for Degree Conferral (Registrar's Office)

December 15, Commencement (End of Fall Term)

December 25-January 1, WINTER BREAK

### Complete Course Calendar (Tentative – Subject to Change)

| Week | Begins On | Chapters/Topics | Assignments Due at end of Week (Sunday @11:59pm)                       |
|------|-----------|-----------------|--|
| 1    | 8/28      | Introductions   | Introduction Discussion/Syllabus Acknowledgement                       |
| 2    | 9/4       | Chapter 1       | Week 2 Discussion<br>Term Paper Topic Selection                        |
| 3    | 9/11      | Chapter 2       | Chapter 1 Homework<br>Week 3 Discussion                                |
| 4    | 9/18      | Chapter 3       | Chapter 2 Homework<br>Week 4 Discussion<br>Term Paper Proposal         |
| 5    | 9/25      | Chapter 4       | Chapter 3 Homework<br>Week 5 Discussion                                |
| 6    | 10/2      | Chapter 5       | Chapter 4 Homework<br>Week 6 Discussion                                |
| 7    | 10/9      | Chapter 6       | Chapter 5 Homework<br>Week 7 Discussion                                |
| 8    | 10/16     | Chapter 7       | Chapter 6 Homework<br>Week 8 Discussion<br>Term Paper Extended Outline |
| 9    | 10/23     | Chapter 8       | Chapter 7 Homework<br>Week 9 Discussion                                |
| 10   | 10/30     | Chapter 9       | Chapter 8 Homework<br>Week 10 Discussion                               |
| 11   | 11/6      | Catch-Up Day    | Chapter 9 Homework<br>Week 11 Discussion                               |
| 12   | 11/13     | Final Exam      | Final Exam<br>Term Paper Rough Draft                                   |
| 13   | 11/20     | Presentations   | Post Your Paper Presentation   |
| 14   | 11/27     | Presentations   | Critique Paper Presentations   |
| 15   | 12/4      | Term Paper      | Term Paper Due 12/10/2017  |
| 16   | 12/11     | Group Project   | Group Project Due 12/14/2017   |

## **TECHNOLOGY REQUIREMENTS AND SUPPORT**

### **Technology Requirements.**

This course will use the A&M-Central Texas Instructure Canvas learning management system. Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail address)

Password: Your MyCT password

You will also need access to a web server of some sort. I recommend XAMPP – more discussion about XAMPP will be available on Canvas.

### **Technology Support.**

For log-in problems, students should contact Help Desk Central.

24 hours a day, 7 days a week:

Email: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu)

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

*Please let the support technician know you are an A&M-Central Texas student.*

For issues with **Canvas**, select “chat with Canvas support,” submit a support request to Canvas Tier 1, or call the Canvas support line: 1-844-757-0953, links to all are found inside of Canvas using the “Help” link.

For issues related to course content and requirements, contact your instructor.

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## **UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES**

### **Drop Policy.**

If you discover that you need to drop this class, you must complete a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [[https://www.tamuct.edu/registrar/docs/Drop\\_Request\\_Form.pdf](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf)].

Professors cannot drop students; this is always the responsibility of the student. The Registrar’s Office will provide a deadline on the University Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar’s Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar’s Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

### **Academic Integrity.**

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to

preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

### **Academic Accommodations.**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier free education. The Department of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the University's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://www.tamuct.edu/student-affairs/access-inclusion.html) webpage [https://www.tamuct.edu/student-affairs/access-inclusion.html].

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines online](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf), please visit the website [http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf].

### **Tutoring.**

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111. If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Larry Davis at [Imdavis@tamuct.edu](mailto:Imdavis@tamuct.edu).

Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access

Tutor.com through Canvas.

### **The University Writing Center.**

Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-5pm Monday-Thursday with satellite hours in the University Library on Mondays from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via [WCOOnline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) to schedule an online tutoring session. Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu).

### **University Library.**

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 72,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On-campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available twenty-four hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other



events. For more information, please visit our [Library website](https://tamuct.libguides.com/) [https://tamuct.libguides.com/].

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#### **OPTIONAL POLICY STATEMENTS:**

##### **A Note about Sexual Violence at A&M-Central Texas**

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at A&M-Central Texas, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Counseling Services (254-501-5956) located on the second floor of Warrior Hall.

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/departments/compliance/titleix.php) [https://www.tamuct.edu/departments/compliance/titleix.php].

#### **INSTRUCTOR POLICIES.**

1. Instructor reserves the right to modify the syllabus during the course of the semester for the benefit of the students.
2. Instructor reserves the right to supplement the material presented in the text with addition material that may benefit the students by either providing additional information or a different point of view.
3. Instructor expects that the students will act in a curious and professional manner in all interactions with other students and the instructor.
4. Instructor reserves the right to modify grading rubrics. Changes to grading rubrics are only made to current and/or future assignments.
5. Any changes made will be announced in class and posted on Canvas.

#### **Copyright Notice.**

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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