

**Enterprise Architecture: CISM 5330 (Spring 2020)**  
**M/W 12:30PM-1:45PM; RCOB 2328**

### **Faculty Information**

- Dr. Gelareh (Ellie) Towhidi
- Office: RCOB 2225
- Office hours:
  - On Campus: Wednesdays 11AM-12:30PM & 2PM-3:30PM
  - Online: Mondays 11AM-1:00PM via CourseDen Collaborate Ultra (Online link will be announced)
  - And by appointment
- Email: [gtowhidi@westga.edu](mailto:gtowhidi@westga.edu) (make sure you use the subject line "CISM 5330 and your section number", so that I will know which class your question is referring to)

### **Online Support**

- CourseDen Home page: <https://westga.view.usg.edu>
- CourseDen Help & Troubleshooting: <http://uwgonline.westga.edu>
- Distance Learning Library Services: <http://westga.edu/~library/depts/offcampus/>
- Ingram Library Services: <http://westga.edu/~library/info/library.shtml>
- UWG Bookstore: <http://www.bookstore.westga.edu>
- Disability Services: [http://www.westga.edu/studentDev/index\\_8884.php](http://www.westga.edu/studentDev/index_8884.php)

*Additional resources and links are available in the UWG | Online CourseDen (D2L) Resources widget on your course homepage.*

### **Materials and Prerequisites**

- Textbook: "An Introduction to Enterprise Architecture": Third Edition Paperback, 2012 by Scott A. Bernard
- Additional Readings (will be posted on CourseDen):
  - Readings on Enterprise Recourse Planning, ERPsim Lab, HEC Montréal.
  - Participant's Guide on Logistic Game, ERPsim Lab, HEC Montréal.
  - ERPsim for SAP HANA Reference Guide, ERPsim Lab, HEC Montréal.
- Software requirements:
  - ERPsim (approximately \$40 "**REQUIRED**"; Registration link will be sent to you)
  - SAP GUI, SAP Lumira Discovery (Installed on labs and links provided on CourseDen)
- Open SAP Courses: course registration link will be posted on CourseDen
- The professor posts all the lecture materials and readings, assignments, and projects instructions on UWG CourseDen. Also, all the class announcements, assignment reminders, and any news or changes will be sent out via CourseDen. Students must check CourseDen on a daily basis.

## **Course Description**

Successful organizations use Enterprise Architecture (EA) as a business strategy. EA is the organizing structure for business processes and IT infrastructure. Top performing organizations know how to design their business processes and IT infrastructure for success of their current operations, and the most successful companies know how to expand their EA to enable innovation and to seize a competitive advantage for the future. This course will introduce students to how EA is used as a business strategy and a business enabler. A final research project will include design thinking methods and the use of SAP enterprise system tools to extend an organization's EA.

## **Course Learning Objectives**

- Describe Enterprise Systems and Business Process Integration.
- Develop Business Process Flow Diagrams.
- Describe the structure and components of an Enterprise Architecture.
- Develop an Enterprise Architecture Model.
- Develop a plan to implement an Enterprise Architecture.
- Describe how businesses can use Enterprise Architecture as a business strategy.
- Develop an Enterprise Business Intelligence Application using SAP BI data analytic and decision making tools.

## **Course Approach**

Course materials will give you multiple ways to learn the material presented in this course. The assigned readings will provide one source of information. Lectures in class and online recordings will be based on, and extend, the material in assigned readings. Assignments and projects give you an opportunity to learn about Enterprise Architecture using a hands-on approach. You must attend all in-class days. There is a substantial amount of group work, and if you do not attend the required in class days, you could lose points on your part of the group project. You should take the opportunity to apply course material in assignments. The instructor will be available at during office and scheduled class times to assist you. Learning how to design, implement, and extend an Enterprise Architecture is not something that you can do in a few hours but they take a significant amount of time. This is not a course that you can easily get "A"; you'll earn it by hard work and dedication.

## **Grading Policy**

The course grade will be determined by the following components.

EA 1-2 Assignments	10%
SAP Lumira Assignment	5%
BPM Team Assignment	5%
ERPsims Logistics EA Team Project	20%
ERPsims Logistics BI Team Project	20%
Final Exam	20%
OpenSAP Certificate	10%
EA Research Project	10%
<u>Registration to ERPsims</u>	<u>-10%*</u>
Total	100%

\*If you do not register for ERPsims, you will lose 10% of your final grade and will not be able to participate in ERPsims project.

- Final Exam
  - Final Exam will be IN-CLASS closed book exam (approximately 10 essay questions), includes all the materials covered in the course: EA3 book, ERP Readings, Design Thinking, ERPsims Logistics.
  - In case of emergencies, request for a makeup exam must occur by email no later than 24 hours after the exam start time. All requests for a makeup exam requires DOCUMENTED PROOF.
- Assignments
  - All assignments are individual work expect for the group projects.
  - All the assignment submissions are made in "Assignments" (dropbox) on CourseDen. Be sure to check the course schedule for due dates.
  - Late assignments are accepted only up to ONE DAY LATER WITH A 20% PENALTY.
  - Assignments not turned in by 11:59 PM the day after the due date will be marked MISSED and will not receive any credit. No additions or corrections will be accepted after the due date.
- All grades must be reviewed within two days after grades are posted.  
Your participation will be evaluated based on your multiple criteria including participation in design thinking team project, ERPsims Logistics game, your individual ERPsims role assignments, and your team members' evaluation.

### **Grading scale (Percentage)**

- A: 90% and above
- B: 80 – 89.99%
- C: 70 – 79.99%
- D: 60 – 69.99%
- F: 59.99% and below

## Course Policy

- Students must CHECK “ANNOUNCEMENTS” ON COURSE DEN ON A DAILY BASIS for any newly released information or changes concerning this course.
- Students are responsible to find out about any changes in due dates and course content.
- It is your responsibility to keep up with the due dates and the work, as “I forgot” is not a justifiable excuse for missing a due date and time.
- If you need accommodations in order to meet any of the requirements of this course, please let the professor know as soon as possible, preferably by the end of the first week. I will do my very best to accommodate any legitimate need.
- All assignments/projects must be uploaded correctly to the designated CourseDen submission folder by the deadline. Submitting your assignments/projects via email attachments are not acceptable and will NOT be graded.
- Only UWG issued e-mail addresses will be answered by either the professor.
- No emails are checked or answered within the CourseDen environment.
- Emails are usually answered WITHIN 24 HOURS. If you do not get a reply within 24 hours, assume I did not receive it and please resend. I reply to all emails. Students should not expect a response during non-business hours, which includes nights, weekends, holidays, and school breaks.
- Scholastic Dishonesty: The State University of West Georgia Academic Honesty Policy will be enforced. You can read this policy at <http://www.westga.edu/~vpaa/handrev/207>.
- Study partners are encouraged in the completion of assignments. However, each student is required to complete and submit his/her own work. Copied work will be considered plagiarism and will result in academic discipline.
- **The professor reserves the right to change any part of this document including the schedule and/or requirements.**

**COMMON LANGUAGE FOR COURSE SYLLABI**

Updated July, 2017

Students should review the following information each semester.

**ACADEMIC SUPPORT**

**Accessibility Services:** Students with a documented disability may work with UWG Accessibility Services to receive essential services specific to their disability. All entitlements to accommodations are based on documentation and USG Board of Regents standards. If a student needs course adaptations or accommodations because of a disability or chronic illness, or if he/she needs to make special arrangements in case the building must be evacuated, the student should notify his/her instructor in writing and provide a copy of his/her Student Accommodations Report (SAR), which is available only from Accessibility Services. Faculty cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given. For more information, please contact [Accessibility Services](#).

**Center for Academic Success:** The [Center for Academic Success](#) provides services, programs, and opportunities to help all undergraduate students succeed academically. For more information, contact them: 678-839-6280 or [cas@westga.edu](mailto:cas@westga.edu)

**University Writing Center:** The [University Writing Center](#) assists students with all areas of the writing process. For more information, contact them: 678-839-6513 or [writing@westga.edu](mailto:writing@westga.edu)

**ONLINE COURSES**

UWG takes students' privacy concerns seriously: technology-enhanced and partially and fully online courses use sites and entities beyond UWG and students have the right to know the privacy policies of these entities. For more information on privacy and accessibility for the most commonly used sites, as well as technology requirements visit the [UWG Online](#) site.

Students enrolled in online courses can find answers to many of their questions in the [Online/Off-Campus Student Guide](#).

If a student is experiencing distress and needs help, please see the resources available at the [UWG Cares](#) site. [Online counseling](#) is also available for online students.

**HONOR CODE**

At the University of West Georgia, we believe that academic and personal integrity are based upon honesty, trust, fairness, respect, and responsibility. Students at West Georgia assume responsibility for upholding the honor code. West Georgia students pledge to refrain from engaging in acts that do not maintain academic and personal integrity. These include, but are not limited to, plagiarism, cheating, fabrication, aid of academic dishonesty, lying, bribery or threats, and stealing.

The University of West Georgia maintains and monitors a confidential Academic Dishonesty Tracking System. This database collects and reports patterns of repeated student violations across all the Colleges, the Ingram Library, and the School of Nursing. Each incidence of academic dishonesty is subject to review and consideration by the instructor, and is subject to a range of academic penalties including, but not limited to, failing the assignment and/or failing the course. Student conduct sanctions range from verbal warning to suspension or expulsion depending on the magnitude of the offense and/or number of offenses. The incident becomes part of the student's conduct record at UWG.

Additionally, the student is responsible for safeguarding his/her computer account. The student's account and network connection are for his/her individual use. A computer account is to be used only by the person to whom it has been issued. The student is responsible for all actions originating through his/her account or network connection. Students must not impersonate others or misrepresent or conceal their identities in electronic messages and actions. For more information on the University of West Georgia Honor Code, please see the [Student Handbook](#).

**UWG EMAIL POLICY**

University of West Georgia students are provided a MyUWG e-mail account. The University considers this account to be an official means of communication between the University and the student. The purpose of the official use of the student e-mail account is to provide an effective means of communicating important university related information to UWG students in a timely manner. It is the student's responsibility to check his or her email.

**CREDIT HOUR POLICY**

The University of West Georgia grants one semester hour of credit for work equivalent to a minimum of one hour (50 minutes) of in-class or other direct faculty instruction AND two hours of student work outside of class per week for approximately fifteen weeks. For each course, the course syllabus will document the amount of in-class (or other direct faculty instruction) and out-of-class work required to earn the credit hour(s) assigned to the course. Out-of-class work will include all forms of credit-bearing activity, including but not limited to assignments, readings, observations, and musical practice. Where available, the university grants academic credit for students who verify via competency-based testing, that they have accomplished the learning outcomes associated with a course that would normally meet the requirements outlined above (e.g. AP credit, CLEP, and departmental exams).

**HB 280 (Campus Carry)**

UWG follows University System of Georgia (USG) guidance:

[Additional Information](#)

You may also visit our website for help with USG Guidance:

[Campus Carry Information](#)

**Proprietary Material Agreement**

The materials on this course website are only for the use of students enrolled in this course for purposes associated with this course and may not be retained or further disseminated.

**Online Privacy**

This course may require you to work with other sites and entities beyond UWG and CourseDen (D2L) where some personal information (e.g. your name, affiliation with UWG, or current employment) may be displayed. You have the right to regulate the displaying of information pertaining to yourself on the Internet. If you are uncomfortable displaying information that you deem overly personal, you may take steps to post more anonymous manner (such as posting online your first name and last initial only or other pseudonym). You also agree to respect other people's wishes to remain anonymous.

**Links to and from Third-Party Sites**

There may be links established between this course and other entities and sites on the World Wide Web, Internet or other areas that are not under the control of, nor maintained by your professor or the University of West Georgia (UWG). These links do not necessarily constitute an endorsement by your professor or UWG, and UWG has no obligation to monitor such sites, and the user agrees that neither your professor nor UWG is responsible for the content of such sites or for any technical or other problems associated with any such third-party site, links, or usage.

## Tentative Course Schedule

### \* Attendance Required for Lab Days and Final Exams!

Date	Activity	Readings & Assignment	Attendance
Jan 6	Course Introduction	Syllabus <b>Register to ERPsim</b>	Online Day
Jan 8	Book Section1	EA Readings	Online Day
Jan 13	Other EA Readings	EA Readings	Online Day
Jan 15	Business Process Modeling	BPM Card Game ERPsim Logistics Business Processes Intro	Lab Day Team Buildup
Jan 20	MLK Day		No Class
Jan 22	ERPsim Logistics Platinum Simulation Game Lab	ERPsim Logistics Platinum Readings	Lab Day
Jan 27	ERPsim Logistics Processes	ERPsim Logistics Extended Readings	Online Day
Jan 29	ERPsim Logistics Extended Simulation Game Lab	ERPsim Logistics Extended Readings	Lab Day
Feb 3	ERPsim Logistics Processes	ERPsim Logistics Extended Readings	Online Day
Feb 5	SAP Lumira / ERPsim BI Lab	Data Analytic with SAP Lumira Discovery	Lab Day
Feb 10	Analytic Dashboards	Data Analytic with SAP Lumira Discovery	Online Day
Feb 12	Business Process Modeling	<b>Business Process Modeling Team Assignment Due at 11:59pm</b>	Online Day
Feb 17	ERPsim Logistics Extended	ERPsim Logistics Extended Readings	Online Day
Feb 19	ERPsim Logistics Extended BI Lab	ERPsim Logistics Extended BI Readings	Lab Day/Online
Feb 24	EA Other Readings	<b>EA1 Assignment Due at 11:59pm</b>	Online Day
Feb 26	ERPsim Logistics Extended BI Lab	ERPsim Logistics Extended BI Readings	Lab Day/Online
Mar 2	Analytic Dashboards	<b>SAP Lumira Assignment Due at 11:59pm</b>	Online Day
Mar 4	Book Section2-3	EA Readings	Online Day
Mar 9	Book Section2-3	EA Readings	Online Day
Mar 11	Book Section2-3	EA Readings	Online Day
Mar 16	Spring Break		No Class
Mar 18	Spring Break		No Class
Mar 23	ERPsim Analytics / BI	<b>EA2 Assignment Due at 11:59pm</b>	Online Day
Mar 25	ERPsim Logistics EA Team Project	ERPsim Logistics Enterprise Architecture	Online Day
Mar 30	ERPsim Logistics EA Team Project	ERPsim Logistics Enterprise Architecture	Online Day
Apr 1	ERPsim Logistics EA Team Project	ERPsim Logistics Enterprise Architecture	Online Day
Apr 6	ERPsim Logistics EA Team Project	<b>ERPsim Logistics EA Team Project Due at 11:59pm</b>	Online Day
Apr 8	ERPsim Logistics BI Team Project	ERPsim Logistics Business Intelligence	Online Day
Apr 13	ERPsim Logistics BI Team Project	ERPsim Logistics Business Intelligence	Online Day
Apr 15	ERPsim Logistics BI Team Project	ERPsim Logistics Business Intelligence	Online Day
Apr 20	ERPsim Logistics BI Team Project	<b>ERPsim Logistics BI Team Project Due at 11:59pm</b>	Online Day
Apr 22	In Class Final EXAM (Closed Book)	<b>EA Research Project Due at 11:59pm</b>	In Class Attendance Required
Apr 27	Open SAP Course	<b>Submit Open SAP Completion Certificate Due at 11:59 pm</b>	Online Day