

MIS 5121: ERP Systems - Course Schedule
Spring 2016

Date	#	Topic	Readings / Preparation	Assignments / Due Dates
11-Jan	1	Course Intro - Review Syllabus	AGAS: 3.1.3 (Figure 3.2) AGAS: Chap 1 -all Chap 2 (ICS Assurance in Practice) Chap 3: section 3.1 only (ICS Content in SAP ERP)	
		Personal Intro: Me, Students		
		What is ERP?		
		ERP Systems Suppliers, SAP technology Background		
		Break		
		Real World: Control Failures - Enron Case		
		Intro to Internal control framework: Why, Structure		
		Case Study (GBI) Introduction & preparation SAP Overview & Navigation		
18-Jan		No Class - Martin Luther King Holiday		
25-Jan	2	Real World: Control Failures - WorldCom	View video of Into to Accounting Lecture AGAS: Chap 5.1 SAP: Table controlled Application AGAS: Chap 9.1 - 9.3 (Controls in Procure to Pay Proces)	Read 1: AGAS - Chapters 1, 2, 3.1 Due January 24 11:59 PM
		Intro to Accounting: Review		
		Controls and Assertions		
		Business Organization / Functions vs. Business Processes vs. System Components		
		SAP Business Process Controls - Materials Management		
		Case Study: Procure to Pay 1-6		

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1-Feb	3	Real World: Control Failures - Procurement / Egypt Airforce	AGAS:Chap 12 (Fraud in an SAP System)	Read 2: AGAS - Chapters 9.1, 9.2, 9.3 and 12 Due Jan 31 11:59 PM Exercise 1: GBI - Procure to Pay Due February 4 11:59 PM
		Fraud		
		Case Study: Procure to Pay 7-14		
8-Feb	4	Real World: Control Failures - Small Business / OTC	AGAS:Chap 10 (Controls in Order to Cash Process)	Read 3: AGAS - Chapters 10 Due February 7 11:59 PM
		SAP Business Process Details and Controls: Sales & Orders		
		Types of Controls : Compare and Contrast		
		Case Study: Order to Cash 1-8		
15-Feb	5	Real World: Control Failures - inventory shrink	AGAS:Chap 9.4 Control for Stocks	Read 4: AGAS - Chapters 9.4 Due February 14 11:59 PM
		Business Controls: Inventory		
		SAP Business Process Details and Controls: Shipping		
		Case Study: Order to Cash 9-15		
22-Feb	6	Exam 1		Exercise 2: GBI – Order to Cash Due February 25 11:59 PM
		Real World: Control Failures - Accounts Receivable		
		SAP Business Process Details and Controls: Invoicing and Collection		
		Case Study: Order to Cash 16-23		
29-		No Class - Spring Break		

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Feb				
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7-Mar	7	Real World: Control Failures - Student Presentations	AGAS: Chap 5.2 (Authorizations) AGAS: Chap 8 (Controls in Financial Accounting)	<u>Read 5: AGAS</u> - Chapters 5.2 and 8 <u>Due March 6 11:59 PM</u>
		General Computer vs. SAP System Controls		
		SAP ECC Security: Authorization Concept - 1		
		SAP Business Process Controls - Financial Accounting & Controlling		
		Case Study: Journal Entries 1, 2		
14-Mar	8	Real World: Control Failures - Student Presentations		<u>Exercise 3: GBI</u> – Journal Entries <u>Due March 17 11:59 PM</u>
		SAP ECC Security: Authorization Concept - 2		
		Real World: Control Failures -Wipro (accounting controls)		
		SAP Business Process Controls - Financial Accounting & Controlling		
		Case Study: Journal Entries 3, 4		
21-Mar	9	Real World: Control Failures - Student Presentations	AGAS: Chap 6.3 (System Users)	
		SAP ECC Security: User Mgmt, Roles, Authorizations		
		SAP ECC Security: Security Design		
		Segregation of Duties (SOD) Control		

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		Case Study: SOD 1, 2		
28-Mar	10	Real World: Control Failures - Student Presentations		Exercise 4: GBI – SOD: Segregation of Duties Due March 31 11:59 PM
		Auditor's Perspective: Outside visitor Q&A		
		Data Migration / Conversion		
		Segregation of Duties (SOD) Control		
		Case Study: SOD 3, 4		
4-Apr	11	Exam 2	AGAS: Chap 6.1, 6.2 (IT General Controls in SAP)	Read 6: AGAS - Chapters 6.1 and 6.2 Due April 3 11:59 PM
		Real World: Control Failures - Student Presentations		
		Change Management; Outsourcing		
		Risk/Control Framework: Intro		
		Case Study Final: Risk / Control Matrix Introduction		
11-Apr	12	Real World: Control Failures - Student Presentations	AGAS: Chap 6.4 (Security and Authorization Controls) AGAS: Chap 7 General Application Controls in SAP ERP)	Read 7: AGAS - Chapters 6.4 and 7 Due April 10 11:59 PM
		System and Integration Controls		
		System and Integration Controls - 2		
		Case Study Final: Risk / Control Matrix		

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18-Apr	13	Real World: Control Failures - Student Presentations	AGAS: Chap 4.3 SAP GRC AGAS: Figure 16.5 (GRC-PC org units and controls)	Read 8: AGAS - Chapters 4.3 <i>Due April 17 11:59 PM</i>
		SAP Futures Perspective: Outside Presentation / Q&A		
		Governance Risk and Compliance (GRC)		
		Case Study Final: Risk / Control Matrix		
25-Apr	14	Real World: Control Failures - Student Presentations	The Road to Character: Chapters 1, 3, 5	Read 9: The Road to Character - Chapters 1, 3 and 5 <i>Due April 24 11:59 PM</i> Final Exercise: Internal Control Framework <i>Due April 28 11:59 PM</i>
		Controls vs. Character		
		Review, Q&A		
		IT Controls Framework: Driving Project Activities, Deliverables		
		Review, Q&A		
		Case Study Final: Risk / Control Matrix		
2-May		Final Exam (3)		
		Student Feedback		

Abbreviations and Definitions

- AGAS** : **Auditing and GRC Automation in SAP** - text book by Chuprunov, Maxim
GBI : **SAP ERP Global Bike Inc.**