

ITEC 2201 – Syllabus with Affordable Learning Materials

Note: This is a tentative schedule. Exact schedule will be dependent on class progress. Some module timelines might be rearranged according to class learning needs.

Week	Topics	Learning Materials
1	Course Overview Chapter 1 – Introduction to Information Systems (IS)	<p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Intro-to-IS.pptx</p> <p>Ackoff, R. L. (1989). From Data to Wisdom. <i>Journal of Applied Systems Analysis</i>, 16, 3-9 (available through GGC online Galileo library)</p> <p>Zwass, Vladimir. (2017). Information Systems. In A. Augustyn (Ed.), <i>Encyclopædia Britannica: Encyclopædia Britannica, Inc</i></p> <p>What is MIS? Introduction & Definition by guru99.com</p> <p>Allen Newell, Alan J. Perlis, Herbert A. Simon, What is Computer Science? <i>Science</i> 1967 (157) 1373-4</p> <p>Izak Benbasat and Robert W. Zmud, The Identity Crisis Within the IS Discipline: Defining and Communicating the Discipline's Core Properties, May 2003, <i>MIS Quarterly</i> 27(2):183-194 (available through GGC online library)</p>
2	Chapter 2 – Organizational strategy, Competitive Advantage, and IS	<p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-2_Organizational-Strategy-Competitive-Advantage-and-Information-Systems.pptx</p> <p>Michael E. Porter, The Five Competitive Forces That Shape Strategy, <i>Harvard Business Review</i>, 2008</p> <p>SWOT Analysis: Bringing Internal and External Factors Together</p> <p>Mind Tools Content Team, Porter's Generic Strategies - Choosing Your Route to Success</p> <p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 7: Does IT Matter? from <i>Opentextbook.site</i></p> <p>Porter's Value Chain Analysis, By Vincent Van Vliet</p> <p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-2_Organizational-Strategy-Competitive-Advantage-and-Information-Systems.pptx</p>
3	Chapter 3 – IS Infrastructure (Network and Cloud Computing)	<p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-3_IT-Infrastructure.pptx</p>

		<p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 3: Software from Opentextbook.site</p> <p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 5: Networking and Communication from Opentextbook.site</p> <p>John Gallagher, Chapter 10: Software in Flux: Partly Cloudy and Sometimes Free, open textbooks published by the University of Minnesota Libraries</p>
4	Chapter 4 – Information Security	<p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-4_IS-Security.pptx</p> <p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 6: Information Systems Security, from Opentextbook.site</p> <p>12 Risks, Threats, & Vulnerabilities in Moving to the Cloud by Timothy Morrow (2018)</p>
5	Chapter 4 – Information Security Chapter 5 – Software Development and Project Management	<p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 10 - Information Systems Development, from Opentextbook.site</p> <p>Successful project management for software product and information system development by Ebert, Luba</p>
6	Chapter 5 – Software Development and Project Management	<p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-5_System-development-methodologies-and-project-management.pptx</p> <p>Project Management by BC Open Textbooks</p>
7	Chapter 5 – Software Development and Project Management Chapter 6 – Data and Knowledge Management	<p>David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 4 - Data and Databases, from Opentextbook.site</p> <p>http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-6_Data-and-Knowledge-Management.pptx</p>
8	Test 1 – Covers Chapter 1 to 5 Chapter 6 – Data and Knowledge Management	<p>John Gallagher, Chapter 11: The Data Asset: Databases, Business Intelligence, and Competitive Advantage, open textbooks published by the University of Minnesota Libraries</p>
9	Chapter 6 – Data and Knowledge Management	<p>John Gallagher, Chapter 11: The Data Asset: Databases, Business Intelligence, and Competitive Advantage, open textbooks published by the University of Minnesota Libraries</p>
10	Chapter 6 – Data and Knowledge Management	<p>Bergen Adair (2018), Business Intelligence vs Business Analytics: A Comprehensive Comparison of the Difference Between Them</p>

	Chapter 7 – Business Intelligence and Data Analytics	John Gallagher, Chapter 11: The Data Asset: Databases, Business Intelligence, and Competitive Advantage , open textbooks published by the University of Minnesota Libraries http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Chapter-7_BI-and-DA.pptx
11	Chapter 7 – Business Intelligence and Data Analytics	Davenport, T. H. and Jeanne G. Harris, Competing on Analytics: The New Science of Winning , Harvard Business Review, 2006
12	Chapter 7 – Business Intelligence and Data Analytics Chapter 8 – Enterprise Systems (ERP, CRM, and SCM)	David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 8: Business Processes , from Opentextbook.site http://commons.ggc.edu/yding1/wp-content/uploads/sites/123/2020/06/Enterprise-Systems.pptx
13	Chapter 8– Enterprise Systems (ERP, CRM, and SCM)	Digital Supply Chain – From Design to Operate
14	Chapter 8 – Enterprise Systems (ERP, CRM, and SCM)	
15	Chapter 9 – Ethics and Privacy Test 2 – Covers Chapter 6 to 9	David T. Bourgeois, James L. Smith, Shouhong Wang, and Joseph Mortati, Chapter 12: The Ethical and Legal Implications of Information Systems , from Opentextbook.site