

Course:	ISQA 4730/8736 – Decision Support Systems
Document:	Course Calendar

Week	Topics & Chapters
Aug 21	Topic: Introduction to ISQA 4730/8736
Aug 28	Topic: Decision Making and Analytics: An Overview Text: Chapter 1 – An Overview of Business Intelligence, Analytics, and Decision Support Assignment: Introduction Assignment due
Sept 4	Topic: Decision Making and Analytics: An Overview Text: Chapter 2 – Foundations and Technologies for Decision Making
Sept 11	Topic: Descriptive Analytics Text: Chapter 3 – Data Warehousing
Sept 18	Topic: Descriptive Analytics Text: Chapter 4 – Business Reporting, Visual Analytics, and Business Performance Management Assignment: Project Deliverable 1 due
Sept 25	Topic: Predictive Analytics Text: Chapter 5 - Data Mining
Oct 2	Topic: Predictive Analytics Text: Chapter 6 – Techniques for Predictive Modeling
Oct 9	Topic: Predictive Analytics Text: Chapter 7 – Text Analytics, Text Mining, and Sentiment Analysis Assignment: Project Deliverable 2 due
Oct 16	Topic: Predictive Analytics Text: Chapter 8 – Web Analytics, Web Mining, and Social Analytics
Oct 23	Topic: Prescriptive Analytics Text: Chapter 9 – Model-Based Decision Making: Optimization and Multi-Criteria Systems
Oct 30	Topic: Prescriptive Analytics Text: Chapter 10 – Modeling and Analysis: Heuristic Search Methods and Simulation Assignment: Project Deliverable 3 due
Nov 6	Topic: Prescriptive Analytics Text: Chapter 11 – Automated Decision Systems and Expert Systems
Nov 13	Topic: Prescriptive Analytics Text: Chapter 12 – Knowledge Management and Collaborative Systems
Nov 20	Topic: Big Data and Future Directions for Business Analytics Text: Chapter 13 – Big Data and Analytics Assignment: Project Deliverable 4 due
Nov 27	Topic: Big Data and Future Directions for Business Analytics Text: Chapter 14 – Business Analytics: Emerging Trends and Future Impacts
Dec 4	Work week for Final Project
Dec 11	Finals Week Assignment: Final Project Deliverable due