SYLLABUS

Course: MIS 344 Business Intelligence
Credit Hours: 3 Credits
Prerequisite(s): MIS 341 and 322 with a "C" or better

Faculty
Instructor: Ron Little
Office Hours: By Appointment
Cell Phone: (541)556-1423
Email: ronald.little@oit.edu

COURSE OUTLINE

Textbooks
Business Intelligence, Analytics, and Data Science: A Managerial Perspective 4th edition
Author(s), Turban, Sharda, Delen, King; Publisher, Prentice Hall
ISBN: 9780134635248 (ebook) or 9780134633282 (hardcopy)

Online Materials for the Course
Course materials available on Canvas at http://techweb.oit.edu

COURSE DESCRIPTION

Develop analytic solutions to gain functional understanding of Business Intelligence to solve business problems. Covers the development of Crystal Reports and Dash-boarding tools to develop Reporting and interface solutions for business.

COURSE OBJECTIVE

At the end of this course each student should be able to:

1. Gain familiarity with business intelligence theory
2. Hands on training in data analytics and reporting tools
3. Enhance applicable critical thinking skills in solving business problems
4. Understand Data Analytics, Data Warehousing and Data Mining theory
5. Implement the SDLC cycle and understanding in determining applicable BI strategy to implement

STUDENT RESPONSIBILITY

Class Participation

You are expected to attend all class sessions, be attentive during class, ask questions if you do not understand something, and participate in class discussions. You are also expected to listen respectfully to

Oregon Institute of Technology
MIS 344 Business Intelligence

other students, to the instructor, and to the guest speakers. It is critical that all views be respected.

All reading assignments are expected to be completed for the class **on the day** listed on the schedule.

Grade Disputes

If you wish to dispute the grade assigned to a paper, presentation, or a question on an exam, you must do so *in writing*. You must include a specific rationale for why your answer is correct, or why the paper deserves a higher grade.

GRADE SYSTEM

Each component will contribute to the following proportion:

Grade	Percentage Earned
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Class Participation
Students are expected to manage their time to be able to complete the course curriculum activities, attend all class sessions, and participate in class discussions. This also includes, turning in all assignments and accomplish all of the quizzes and exams by the assigned due date.

Late assignments are not allowed at this level, and result in **"50%"** of the grade assigned unless there is an extension approved by the professor. Any assignments turned in more than 1 week past-due will result in a **"0" Grade.**

In addition, follow class room etiquette by listening respectfully to the instructor, other students and guest speakers. It is critical that all views be respected.

Grade Disputes
If you wish to dispute the grade assigned to a paper, presentation, or a question on an exam, you must do so *in writing*. You must include a specific rationale for why your answer is correct, or why the paper deserves a higher grade.

Grading Rubric

Assignment	Max Points
Lab 5 @ 50	250
Final Project	200
Midterm Exam	150
Final Exam	150
Total	750

Oregon Institute of Technology
MIS 344 Business Intelligence

ASSIGNMENT SCHEDULE

Term Schedule

Date	Topics	Reading(s)	Assignments
Week 1	❖ Introduction to Business Intelligence	Reading ✓ Sharda Chapter 1	✓ System Setup
Week 2	❖ Descriptive Analytics I Nature of Data, Statistical Modeling and Visualization	Reading ✓ Sharda Chapter 2	✓ Lab 1
Week 3	❖ Descriptive Analytics I; Dashboard Design Advanced Analytics	Reading ✓ Sharda Chapter 2 ✓ Web References	✓ Lab 2
Week 4	❖ Descriptive Analytics II Business Intelligence and Data Warehousing	Reading ✓ Sharda Chapter 3	✓ Lab 3
Week 5	❖ Descriptive Analytics II Data Warehousing Architecture Integration Services, OLAP, CUBISM	Reading ✓ Sharda Chapter 3 ✓ Web References	✓ Lab 4
Week 6	❖ Predictive Analytics I: Data Mining	Reading ✓ Sharda Chapter 4	✓ Midterm
Week 7	❖ Predictive Analytics I: Data Mining	Reading ✓ Sharda Chapter 4 ✓ Web References	✓ Lab 5
Week 8	❖ Predictive Analytics II: Text, Web, Social Media	Reading ✓ Sharda Chapter 5	✓ Term Project
Week 9	❖ Prescriptive Analytics	Reading ✓ Sharda Chapter 6	✓ Term Project
Week 10	❖ Finish Up	Reading ✓ Sharda Chapter 6	
Week 11	❖ Final Exam (Comprehensive)		✓ Final Exam (Cumulative)

PROFESSIONAL BEHAVIOR

It is expected that students and faculty will be respectful of each other during class and classroom activities. Students and faculty are expected to be courteous, listen, and speak to each other in a

respectful manner. In the spirit of professionalism and respect, please minimize potential class disruptions by turning pagers or cell phones off, and do not bring small children to class.

ACADEMIC INTEGRITY

Students are expected to be honest and ethical in their academic work. Dishonesty, cheating, plagiarism, and other forms of unethical behavior will subject a student to appropriate punishments, including the potential for expulsion from the University. All submitted in this course is to be your own new, original work written in response to the assignments. Consciously or unknowingly presenting the ideas or writings of others as your own will result in academic sanctions.

If found guilty of cheating, plagiarism, or any other form of academic dishonesty, you will receive a zero on your assignment, and a report will be sent to the Student Affairs office, who has responsibility for enforcing OIT's Student Conduct Code. Further information, including definitions of plagiarism and cheating, can be found in OIT's statement on Student Academic Integrity (http://www.oit.edu/docs/default-source/Student-Affairs-/student-handbook/student-academic-integrity-policy.pdf).

In cases of suspected academic dishonesty, the procedures outlined in OIT's "Student Academic Integrity" policy will be strictly followed. (This includes the instruction to faculty that "*all academic dishonesty cases will be reported to the Office of Student Affairs."*). I always include items that will provide indications that cheating has occurred, and I will not hesitate to report instances of academic dishonesty. You should know that the typical penalty at Oregon Tech for a second academic integrity violation is suspension from the university for somewhere between a term and a full academic year.

TITLE IX

Oregon Tech faculty and staff are committed to creating and maintaining a safe and equitable learning environment for the Oregon Tech community. Pursuant to U.S. Department of Education requirements, all Oregon Tech faculty and staff (other than designated confidential staff) must report any information they become aware of regarding gender-based bias, sexual harassment, sexual assault, sexual misconduct, relationship violence, or stalking involving a student to the University Title IX Coordinator.

In addition, Oregon law requires a mandatory report to the Oregon Department of Human Services of any physical or emotional abuse of a child or other protected person, including elders and people with disabilities, or when a child or other protected person is perceived to be in danger of physical or emotional abuse.

If you are the victim of sexual or physical abuse and wish to speak with a confidential resource, please call the National Sexual Assault Hotline at 1-800-656-4673. **The Anti-violence Project, empowering LGBTQ+ communities, provides a 24/7 confidential English/Spanish hotline for those who have experienced violence: 212-714-1141.**
You may report an incident using Oregon Tech's Anonymous Safe Campus Incident Report form on the Title IX site at http://www.oit.edu/title-ix, and select the "Report an Incident" button. For more information about your options, please visit http://www.oit.edu/title-ix.

CLASSROOM CONDUCT

Oregon Institute of Technology
MIS 344 Business Intelligence

Your conduct in the classroom should promote a positive learning environment. Conversations and comments should always be respectful; demeaning comments and offensive language will not be tolerated. Students are expected to abide by the OIT Student Conduct Code (http://www.oit.edu/docs/default-source/Student-Affairs-/student-handbook/student-conduct-code.pdf). Obstruction or disruption of teaching, research, administration, disciplinary procedures, or other institutional activities on institutionally owned or controlled property is strictly prohibited by Oregon Tech's code of student conduct and may result in disciplinary action.

DROPPING A COURSE

For students who do not attend class the first two weeks of the term - please note that it is your responsibility to drop the course. If you decide that you must drop the course, you will need to do so by the close of Friday of Week 2 in order to receive a full 100% refund. If you drop by the close of Friday of Week 3, your refund will be 50%; if you drop by the close of Friday of Week 4, your refund will be 25%, and thereafter you cannot receive a refund. The last day to Withdraw from a course is Monday of Week 8.

Academic calendar can be found here:
http://www.oit.edu/registrar/academic-info/calendars

Cashier's calendar can be found here:
http://www.oit.edu/faculty-staff/ba/ar/cashiers-office

NON-ATTENDENCE

Teaching faculty are required to report non-attendance during the first two weeks of the term from a class if the student has not attended. Students will be administratively withdrawn from the course based on non-attendance.

If you miss class, you are still responsible for the material and homework assigned. If you know you will miss class for an official excused absence (e.g., school sports), let me know **well in advance** via email, and we can arrange an alternate quizzing plan.

Academic calendar can be found here:
http://www.oit.edu/registrar/academic-info/calendars

Cashier's calendar can be found here:
http://www.oit.edu/faculty-staff/ba/ar/cashiers-office

INCOMPLETE GRADE POLICY

In order to be eligible for an "Incomplete" grade, OIT policy requires that students must have completed 80% of all course work by the time grades are due at the end of final's week. Incompletes are not automatic and are arraigned at the discretion of the instructor. If you have a personal matter preventing you from completing the course and have successfully completed most of the course work, please contact the instructor as soon as possible. Additionally, depending on the circumstances, to maintain fairness to the students who complete within the allotted timeframe, a one full-grade

Oregon Institute of Technology
MIS 344 Business Intelligence

reduction may be assigned. However, all requests will be handled on a case-by-case basis.

FLEXIBILITY STATEMENT

Assignments/exam schedules may be changed in response to institutional, weather or class changes or problems.

ADA STATEMENT

Students with a documented disability who require assistance or academic accommodations should contact the office of Disability Services immediately to discuss eligibility. Disability Services staff are located on both the Klamath Falls and Wilsonville campuses, however arrangements can be made to meet with a student on any campus. Meetings are by appointment only, so please contact the Disability Services office at the campus closest to you: **Klamath Falls (541) 885-1790** and **Portland-Metro (503) 821-1305**. Specific information and Disability Services forms can be found at www.oit.edu, then go to "Academics" and click on "Student Success Center" and then "Disability Services." This link leads to the department's website: http://www.oit.edu/academics/ssc/disability-services

OIT EMERGENCY AND CLOSURE INFORMATION

OIT Alert will send you a text message or email informing you of unscheduled campus closures and emergency situations. For more info seehttp://www.oit.edu/oit-alert

DISCLAIMER

Content of syllabus is subject to change at instructor's discretion.

Oregon Institute of Technology
MIS 344 Business Intelligence