MISSOURI WESTERN STATE UNIVERSITY
COLLEGE OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF COMPUTER SCIENCE, MATHEMATICS, AND PHYSICS

COURSE: ACT 405

COURSE NAME: Business Intelligence

COURSE DESCRIPTION:
This course uses software development tools and techniques to build,
deploy and monitor internet based information portals with an emphasis on
business intelligence systems. Students will learn how to use Oracle's
application server software and database management software to
generate business intelligence information from raw data. Concepts,
strategies and techniques will be discussed and then applied to create
web-based digital dashboards and other BI tools comprising of
spreadsheets, charts and reports that will enable management to make
intelligent business decisions. Offered Fall Semester.

PREREQUISITE:

CSC315 with grade of C or better.

TEXT:

No textbooks required

Oracle Discoverer Handbook. McGraw—Hill Professional. ISBN : 0072126353

COURSE OBJECTIVES:
I. Use application development tools and techniques in a hands-on
learning environment to develop web—based database Bl applications.

2. Utilized spreadsheet and database skills learned in previous
coursework to create internet based portal for use by business decision
makers

3. Develop an understanding of the importance of security measures that
must be taken to ensure information integrity and privacy in
applications.

4. Develop an awareness of the importance of quality in application
development.

5. Become an informed developer of information portals.

6. Usage of the technology current in the industry.

7. Become familiar with the concepts and techniques used to implement
Business Intelligence.

8. Understand the importance of skill requirements and team dynamics.

9. Understand the critical success factors and goals for a Business Intelligence system.