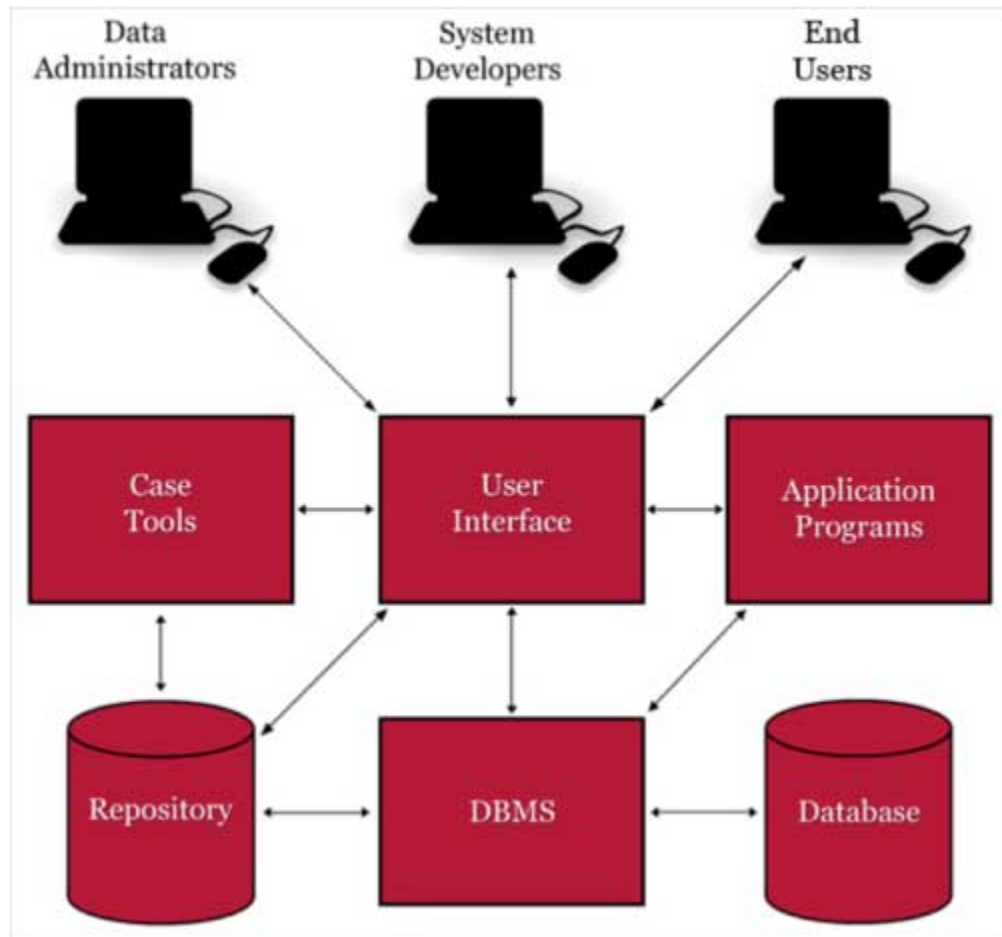


# Syllabus

## BIS-320: Managerial Relational Database Systems



## Course Description

This course develops skills in the design and implementation of business database systems using modern database tools. It covers data structures, file management, and the conceptual, logical, and physical design of databases.

**Credit Hours:** 3

## Course Outcomes

**Upon completion of this course you should be able to:**

1. Describe the theory and rationale behind data base structure.
2. Explain relational theory.

3. Develop various database models including Entity-Relationship and UML based models.
4. Design and develop a relational database system for business applications.
5. Understand issues related to database management (including performance, cost, and access).
6. Employ complex and simple relational databases in a business environment.
7. Understand advanced database technologies, development tools and a new type of database.

## Course Textbook

Coronel, M. R. and Morris, S. (2015). *Database systems: Design, implementation and management* (11th ed.) [CourseSmart version]. Retrieved from <http://www.coursesmart.com>. Boston, MA: Course Technology.

## Online Resources

[Appendix M: Microsoft Access Tutorial](#)

Microsoft Access Help: <https://support.office.com/en-US/Access>

## Software Requirement

Bachelor of Science: Business Information Systems students need Microsoft Access 2010+.

## Grading Scale

Grade	Quality Points Per Credit	Percentage	Score
<b>A</b>	4.0	95% - 100%	950 – 1000
<b>A-</b>	3.7	92% - 94.9%	920 – 949
<b>B+</b>	3.3	89% - 91.9%	890 – 919
<b>B</b>	3.0	85% - 88.9%	850 – 889
<b>B-</b>	2.7	82% - 84.9%	820 – 849
<b>C+</b>	2.3	79% - 81.9%	790 – 819
<b>C</b>	2.0	75% - 78.9%	750 – 789

<b>C-</b>	1.7	72% - 74.9%	720 – 749
<b>D+</b>	1.3	69% - 71.9%	690 – 719
<b>D</b>	1.0	65% - 68.9%	650 – 689
<b>F</b>	.0	0% - 64.9%	0 – 649

## Grading Policies

Your grading policy for your course is dependent on your school and program. Your grading policies can be found in the IWU Catalog.

## Letter Grade Equivalencies

<b>Grade</b>	<b>Description of Work</b>
<b>A</b>	Clearly stands out as excellent performance. Has unusually sharp insights into material and initiates thoughtful questions. Sees many sides of an issue. Articulates well and writes logically and clearly. Integrates ideas previously learned from this and other disciplines. Anticipates next steps in progression of ideas. Example "A" work should be of such nature that it could be put on reserve for all cohort members to review and emulate. The "A" cohort member is, in fact, an example for others to follow.
<b>B</b>	Demonstrates a solid comprehension of the subject matter and always accomplishes all course requirements. Serves as an active participant and listener. Communicates orally and in writing at an acceptable level for the degree program. Work shows intuition and creativity. Example "B" work indicates good quality of performance and is given in recognition for solid work; a "B" should be considered a good grade and awarded to those who submit assignments of quality less than the exemplary work described above.
<b>C</b>	Quality and quantity of work in and out of class is average. Has marginal comprehension, communication skills, or initiative. Requirements of the assignments are addressed at least minimally.
<b>D</b>	Quality and quantity of work is below average. Has minimal comprehension, communication skills, or initiative. Requirements of the assignments are addressed at below acceptable levels.

<b>F</b>	Quality and quantity of work is unacceptable and does not qualify the student to progress to a more advanced level of work.
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## Course Summary

Workshop	Reading	Discussion	Assignment	Quiz	Total Points
Workshop One	1/0	2/40	2/155	-	195
Workshop Two	1/0	2/40	1/150	-	190
Workshop Three	1/0	2/40	2/180	-	220
Workshop Four	1/0	2/40	1/100	-	140
Workshop Five	1/0	2/40	1/115	1/100	255
End Course Survey	-	-	-	-	10 (Extra Credit)
<b>Course Totals</b>	<b>5/0</b>	<b>10/200</b>	<b>7/700</b>	<b>1/100</b>	<b>1000</b>

Number of Activities/Sum Point Totals

## Course Assignments

### Workshop One Outline

Title	Due Dates	Points
<b>1.1 Reading: Chapters 1-4</b>	Suggested to be completed before beginning other assignments	0

<b>Title</b>	<b>Due Dates</b>	<b>Points</b>
<b>1.2 Discussion: Database Jobs</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>1.3 Discussion: Data Experience</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>1.4 Assignment: Individual Activity</b>	Due by the end of the workshop	150
<b>1.5 Assignment: Final Project Topic</b>	Due by the end of Workshop Five	5
<b>Totals</b>		<b>195</b>

## Workshop Two Outline

<b>Title</b>	<b>Due Dates</b>	<b>Points</b>
<b>2.1 Reading: Chapters 5-8</b>	Suggested to be completed before beginning other assignments	0
<b>2.2 Discussion: Database Development</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>2.3 Discussion: Go or No-Go</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>2.4 Assignment: Individual Activity</b>	Due by the end of the workshop	150
<b>Totals</b>		<b>190</b>

## Workshop Three Outline

Title	Due Dates	Points
<b>3.1 Reading: Chapters 9-11</b>	Suggested to be completed before beginning other assignments	0
<b>3.2 Discussion: System Diagram</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>3.3 Discussion: Managerial Issues</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>3.4 Assignment: Individual Activity</b>	Due by the end of the workshop	150
<b>3.5 Assignment: Final Project</b>	Due by the end of the workshop	30
<b>Totals</b>		<b>220</b>

## Workshop Four Outline

Title	Due Dates	Points
<b>4.1 Reading: Chapters 12-15</b>	Suggested to be completed before beginning other assignments	0
<b>4.2 Discussion: Cognos</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>4.3 Discussion: Web Database Issues</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>4.4 Assignment: Individual Activity</b>	Due by the end of the workshop	100

Title	Due Dates	Points
<b>Totals</b>		<b>140</b>

## Workshop Five Outline

Title	Due Dates	Points
<b>5.1 Discussion: Database Development</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>5.2 Discussion: Cloud Computing</b>	Post your initial response by the end of the fourth day of the workshop and your two responses by the end of the workshop	20
<b>5.3 Quiz: Final Exam</b>	Due by the end of the workshop	100
<b>5.4 Assignment: Final Project</b>	Due by the end of the workshop	115
<b>End of Course Survey</b>	Due by the end of the workshop	10 Extra Credit Points
<b>Totals</b>		<b>255</b>

## Expectations, Policies, and Important Student Information

School/Division	Link
DeVoe School of Business Division of Liberal Arts	<a href="#">View School/Division Expectations, Policies, and Student Information</a>

<b>School/Division</b>	<b>Link</b>
School of Services and Leadership	
School of Educational Leadership	<a href="#"><u>View School/Division Expectations, Policies, and Student Information</u></a>
Wesley Seminary @ IWU	<a href="#"><u>View School/Division Expectations, Policies, and Student Information</u></a>
Nursing - Undergraduate	<a href="#"><u>View School/Division Expectations, Policies, and Student Information</u></a>
Nursing - Graduate	<a href="#"><u>View School/Division Expectations, Policies, and Student Information</u></a>