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# IS 371.01: Business Applications Development

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*University of Montana - Missoula*

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STUDENTS

FACULTY

RESOURCES

ALUMNI

HOME

## SCHOOL OF BUSINESS ADMINISTRATION

at The University of Montana - Missoula

### IS 371: Business Applications Development



#### Contents

[Syllabus](#)  
[Assignments](#)  
[Schedule](#)  
[Discussion](#)  
[Instructors](#)  
[Resources](#)  
[Video](#)  
[Help](#)

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**The Course:** IS 371 introduces Visual Basic 6.0 as an applications development tool. Students will learn structured programming concepts and will develop attractive and effective user interfaces.

**Objectives:** By the end of the course, students should be able to:

- Create forms for input and output
- Create common forms of user interfaces such as list boxes, check boxes and option boxes
- Program sequences, loops, and decisions
- Use Visual Basic built-in functions
- Debug projects
- Utilize arrays in programs
- Manage files and data
- Create moderately difficult applications

**Text:** *Programming Business Applications with Visual Basic 6.0* by Burrows and Langford

**Evaluation:** Exams will be in the lab and require that the student complete projects during the exam period. Make-up exams will be given for students who can document illness or extenuating circumstances.

**Please notify the instructor immediately if you must miss an exam.**

Homework projects will be collected and graded and are expected to be the individual's own work. You may drop your lowest homework score.

**No homework will be accepted late. Partial credit will be given for incomplete homework.**

Exams	300 pts.	A: 90% or better
Projects	100	B: 80% to 89%
Total	400 pts.	C: 70% to 79%
		D: 60% to 69%
		F: Below 60%

#### Tentative Course Outline

Date	Topic	Reading Assignment
9/ 5	Introduction to Visual Basic 6.0	Ch. 1
9/ 7	The Visual Basic Development Environment	Ch. 2
9/10	Projects 1 and 2	Ch. 2: GBB L26
9/12	Prepare for Project 3	Ch. 2: GBB L26
9/14	Project 3	Ch. 2: GBB L26
9/17	Representing Data	Ch. 3
9/19	Prepare for Project 5	Ch. 3: GBB L26
9/21	Project 5	Ch. 3: GBB L26
9/24	Performing Calculations and Manipulating Data	Ch. 4
9/26	Debugging	Appendix A
9/28	Project 7	Ch. 4: GBB L26
10/1	Review for Exam	
10/3	<b>Exam 1</b>	Meet in GBB L26
10/5	Revisit Exam	Meet in GBB L26
10/8	Specifying Alternative Courses of Action	Ch. 5
10/10	Structured Walkthroughs and Pseudocode	Ch. 5: GBB L26
10/12	Problems 2 and 3, pp. 263, 264	Ch. 5: GBB L26
10/15	Reducing Program Complexity	Ch. 6
10/17	Parameters	Ch. 6 GBB L26
10/19	Problems 1 and 2, pp. 328, 329	Ch. 6: GBB L26
10/22	Code Modules and Modal Forms	Ch. 6
10/24	Project 10 Demonstration	Ch. 6: GBB L26
10/26	Problems 4 and 5, pp. 329, 330	Ch. 6: GBB L26
10/29	Repeating Processing Tasks	Ch. 7
10/31	Practice looping structures	Ch. 7: GBB L26
11/ 2	Problem 1, pp. 374	Ch. 7: GBB L26
11/ 5	Review for Exam 2	
11/ 7	<b>Exam 2</b>	Meet in GBB L26
11/ 9	List Box and Combo Box	Ch. 7
11/14	Prepare for Project 11	Ch. 7: GBB L26
11/16	Project 11	Ch. 7: GBB L26
11/19	Project 11	Ch. 7: GBB L26
11/26	Accessing Business Data (interface with Access)	Ch. 8
11/28	Plan problem 2, p. 441	Ch. 8: GBB L26
11/30	Complete problem 2	Ch. 8: GBB L26
12/ 3	Finding specific records	Ch. 8
12/ 5	Plan Project 12	Ch. 8: GBB L26
12/ 7	Complete Project 12	Ch. 8: GBB L26
12/10	Handling Lists of Data: Arrays	Ch. 9
12/12	Project 13	Ch. 9: GBB L26
12/14	Complete Project 13; Review for final	Ch. 9: GBB L26

**Final Exam (GBB L26):**

8:00 section: 8-10 Monday, December 17

9:00 section: 8-10 Tuesday, December 18

**School of Business Administration Mission:**

**The faculty and staff of the School of Business Administration at The University of Montana-Missoula are committed to excellence in innovative experiential learning and professional growth through research and service.**

**Announcements**