Gortan Resinovic

K201
The Computer in Business
Section 1548
First Summer Session, 1982

Class Meets: 1:10-2:25 Daily
BU202

Office Hours: Monday, Wednesday, Thursday 3:00-4:30 pm or by appointment, BU 680.

Telephone: 335-8449

Required Text: Martin, E.W., and Perkins, W.C., FORTRAN for Business Students: A Programmed Instruction Approach, John Wiley & Sons, Inc., 1981.

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

Teaching Method: This course is based upon a set of programmed materials which you must work through before the class for which they are assigned. Not only must you work through the assigned frames, but you should study the summary and work the assigned problems at the end of each section. The main function of the class discussion will be to answer questions raised by the materials and to be sure that you get the help you need with each assignment. Thus, you are expected to attend each class, and you must do the assignment before the class if the class is to be helpful to you.

IMPORTANT NOTE ON WITHDRAWAL DEADLINE:

THE FINAL DAY TO WITHDRAW FROM ANY SCHOOL OF BUSINESS COURSE WITH AN AUTOMATIC "W" IS WEDNESDAY, MAY 12, 1982. AFTER THAT DATE VIRTUALLY NO WITHDRAWALS WILL BE PERMITTED. THIS POLICY APPLIES TO ALL STUDENTS-- BOTH BUSINESS AND NON-BUSINESS STUDENTS-- ENROLLED IN ANY SCHOOL OF BUSINESS COURSE. CHECK THE INFORMATION WINDOW IN BUSINESS 224 FOR THE DETAILED WITHDRAWAL POLICY IF YOU HAVE ANY QUESTIONS.

Date		Text Assignment	End-of-section Exercise	Other Assignments
F May 7		Preface, To the Student		
	1.1	Introduction to the Computer	Ex. 1-6	
M May 10	1.2	Introduction to FORTRAN	Ex. 1-4	Ex. 5, Section 1. (due May 13)
	1.3	Punched Cards & Keypunching	Ex. 1	
T May 11	2.1	FORTRAN Data and Variables	Ex. 1-5	
	2.2	Arithmetic Operations	Ex. 1-4	
W May 12	2.3	FORTRAN Coding	Ex. 1-3	
R May 13	3.1	Input Operations	Ex. 1-4	Ex. 5, Section 1. due
	3.2		Ex. 1-4,5a,6b	
F May 14	3.3	Output Operations	Ex. 1-4	QUIZ 1
	3.4		Ex. 1-5	
M May 17	4.1	Logical Capability of the Computer	Ex. 1,2	Lab Problem I assigned
T May 18	4.2	Basic Flowchart Patterns	Ex. 1-4,7	
W May 19	4.3	Counting, Summarizing and Averaging		
R May 20		REVIEW--Sections 1.1-4.3	Ex. 1-4	Lab Problem I due Lab Problem II assigned
		EXAM 1 (Sections 1.1-4.3) 7:00pm-8:30 pm Business 109		
F May 21	5.1	Developing the Flowchart		
M May 24	5.2	The Process of Debugging	Ex. 1,2a,3a	
T May 25	5.3	Program Development		Lab Problem II du Lab Problem III assigned
W May 26	6.1	Looping and the Do statement	Ex. 1-4	
R May 27	6.2	The DO Statement Extended	Ex. 1-5	QUIZ 2
F May 28	7.1	Arrays	Ex. 1-4	

Date		Test Assignment	End-of-Section Exercises	Other Assignments
M May 31		Memorial Day Recess		
T June 1	7.2	Processing Arrays	Ex. 1-4	
W June 2	7.3	Tables and Table Look-up	Section 7.2, Ex. 7,8,10 Ex. 1-3	
R June 3		REVIEW (Sections 5.1-7.3		Lab Problem III d Lab Problem IV assigned
		EXAM 2 (Sections 5.1-7.3) 7:00-8:30 pm Business 109		
F June 4	9.1 9.2	Overview of Software Canned Programs	Ex. 1-4,6,8 Ex. 4,5 (Set up BMD program, but do not punch cards)	
M June 7	10.1	Summary Reports	Ex. 1,2a	Lab Problem IV du Lab Problem V assigned
T June 8	10.2	Data Processing Systems	Ex. 1-7	
W June 9	10.3	Summarization via Arrays and Tables	Ex. 1,2,3a	
R June 10	11.1	Sequential Access Files	Ex. 1-5	QUIZ 3
F June 11	11.2	Direct Access Files System Design	Ex. 1-5 Work out parts A-D of Problem 11.3, p. 772	Lab Problem V du
M June 14	11.3	On-Line Systems System Design	Ex. 1-4	
T June 15		Review for Final		
W June 16		No Class FINAL EXAM 7:00-9:00 PM Business 109		

IMPORTANT NOTES

Lab problems I-VI may be done in pairs. With prior agreement by the instructor, each such pair of students may turn in only one completed problem, and both students will receive the same grade on the problem. It is important that both students work on and fully understand each problem. If one of the pair does not do his/her share, the other may declare the partnership null and void, and each student in the former pair shall turn in his/her own completed exercises. Each pair is to completely do its own work without consulting any other students.

The Lab problem due dates are firm unless a change is announced in class. A 10% penalty will be levied for each class period a Lab problem is late.

THE EXAMS ARE AT NIGHT AT 7:00 O'CLOCK

The exam dates and quiz dates are also firm. There will be no make up exams and/or quizzes.

Relative weights of various assignments on grade:

First Hour Examination	100 points	20%
Second Hour Examination	100 points	20%
Final Examination	160 points	32%
Quizzes 1-3 (30 points each for a total of	30 points	18%
Lab problems I-V 10 points each for a total of	50 points	10%
TOTAL	500 points	(100%)

At the end of the course, your total points will be divided by 5 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply.

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Gortan Resinovic

K201
The Computer in Business
Section 4798
Second Semester, 1981-1982

Class Meets: TR, 9:30-10:45
BH 006

Office Hours: MW, 9:00-12:00, or by appointment
BU 680

Telephone: 335-8449

Required Text: Martin, E.W., and Perkins, W.C., FORTRAN for Business Students: A Programmed Instruction Approach, John Wiley & Sons, Inc., 1981.

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

Teaching Method: This course is based upon a set of programmed materials which you must work through before the class for which they are assigned. Not only must you work through the assigned frames, but you should study the summary and work the assigned problems at the end of each section. The main function of the class discussion will be to answer questions raised by the materials and to be sure that you get the help you need with each assignment. Thus, you are expected to attend each class, and you must do the assignment before the class if the class is to be helpful to you.

IMPORTANT NOTE ON WITHDRAWAL DEADLINE:

THE FINAL DAY TO WITHDRAW FROM ANY SCHOOL OF BUSINESS COURSE WITH AN AUTOMATIC "W" IS WEDNESDAY, MARCH 10, 1982. AFTER THAT DATE VIRTUALLY NO WITHDRAWALS WILL BE PERMITTED. THIS POLICY APPLIES TO ALL STUDENTS--BOTH BUSINESS AND NON-BUSINESS STUDENTS--ENROLLED IN ANY SCHOOL OF BUSINESS COURSE. CHECK THE INFORMATION WINDOW IN BUSINESS 224 FOR THE DETAILED WITHDRAWAL POLICY IF YOU HAVE ANY QUESTIONS.

Date		Text Assignment	End-of-Section Exercises	Other Assignments
T Mar 2	6.1	Looping and the DO statement	Ex. 1-4	Flowchart for Lab Problem IV due
	6.2	The DO Statement Extended	Ex. 1-5	
R Mar 4	7.1	Arrays	Ex. 1-4	
T Mar 9		Review		
T Mar 9 7:00 pm		SECOND HOUR EXAMINATION	(Sections 4.2-7.1)	
R Mar 11		Discussion of Exam		Lab Problem IV due;
	7.2	Processing Arrays	Ex. 1-4	Lab Problem V (Problem 6.2) assigned
T Mar 16		Arrays Continued	Sec. 7.2,Ex. 7,8,10	
	7.3	Tables and Table Look-up	Ex. 1-3	
R Mar 18		Table Look-up Continued	Sec. 7.3, Ex.5-7	Quiz 4; Lab Problem V due; Lab Problem VI (Problem 7.2) assigned
		SPRING VACATION		
T Mar 30	9.1	Overview of Software	Ex. 1-4, 6,8	
	9.2	Canned Programs	Ex. 4,5 (Set up BMD program, but do not punch cards)	
R Apr 1	10.1	Summary Reports	Ex. 1,2a	
T Apr 6		Summary Reports continued	Sec. 10.1, Ex. 2b	Quiz 5
	10.2	Data Processing Systems	Ex. 1-7	
R Apr 8	10.3	Summarization via Arrays and Tables	Ex. 1,2,3a	Lab Problem VI due
T Apr 13		Review	Sec. 10.3, Ex. 4a,5a,6a	
T Apr 13 7:00 pm		THIRD HOUR EXAMINATION	(Section 7.2-7.3, 9.1-10.3)	
R Apr 15		Discussion of Exam		
	11.1	Sequential Access Files	Ex. 1-5	

IMPORTANT NOTES

Lab problems I-VII may be done in pairs. With prior agreement by the instructor, each such pair of students may turn in only one completed problem, and both students will receive the same grade on the problem. It is important that both students work on and fully understand each problem. If one of the pair does not do his/her share, the other may declare the partnership null and void, and each student in the former pair shall turn in his/her own completed exercises. Each pair is to completely do its own work without consulting any other students. Partners will be changed at least once during the semester.

The Lab problem due dates are firm unless a change is announced in class. A 10% penalty will be levied for each class period a Lab problem is late.

The exam dates and quiz dates are also firm.

Relative weights of various assignments on grade:

First Hour Examination	100 points (16.7%)
Second Hour Examination	100 points (16.7%)
Third Hour Examination	100 points (16.7%)
Final Examination	150 points (25.0%)
Quizzes 1-6 (Low quiz score will be dropped if student is present for all 6 quizzes) 20 points each for a total of	100 points (16.7%)
Lab problems I-III and V 5 points each for a total of	20 points (3.3%)
Lab problems IV,VI, and VII 10 points each for a total of	30 points (5.0%)
TOTAL	600 points (100 %)

At the end of the course, your total points will be divided by 6 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply.

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Gorton Resinovic

K201
The Computer in Business
Section 5086

Class Meets: 2:30-3:45 p.m. MW, PY109

Office Hours: 11:00-12:00 a.m. Monday-Thursday, or by appointment
Business Room 680

Telephone: 337-8449 (office)
337-1378 (home)

Required Text: Martin, E. W. and W. C. Perkins, FORTRAN for Business Students, Wiley (1981).

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

Teaching Method: This course is based upon a set of programmed materials which you must work through before the class for which they are assigned. Not only must you work through the assigned frames, but you should study the summary and work the assigned problems at the end of each section. The main function of the class discussion will be to answer questions raised by the materials and to be sure that you get the help you need with each assignment. Thus, you are expected to attend each class, and you must do the assignment before the class if the class is to be helpful to you.

IMPORTANT NOTE ON WITHDRAWAL DEADLINE:

THE FINAL DAY TO WITHDRAW FROM ANY SCHOOL OF BUSINESS COURSE WITH AN AUTOMATIC "W" IS WEDNESDAY, OCTOBER 28, 1981. AFTER THAT DATE VIRTUALLY NO WITHDRAWALS WILL BE PERMITTED. THIS POLICY APPLIES TO ALL STUDENTS--BOTH BUSINESS AND NON-BUSINESS STUDENTS--ENROLLED IN ANY SCHOOL OF BUSINESS COURSE. CHECK THE INFORMATION WINDOW IN BUSINESS 224 FOR THE DETAILED WITHDRAWAL POLICY IF YOU HAVE ANY QUESTIONS.

	Date		Text Assignment	End-of-Section Exercises	Other Assignments
M	Aug. 31		Preface, To The Student		
		1.1	Introduction to the Computer	Ex. 1-6	
W	Sept. 2	1.2	Introduction to FORTRAN	Ex. 1-4	Ex. 6, Section 1.3 (due Sept. 9)
		1.3	Punched Cards & Keypunching	Ex. 1	
M	Sept. 7	2.1	FORTRAN Data and Variables	Ex. 1-5	
		2.2	Arithmetic Operations	Ex. 1-4	
W	Sept. 9	2.3	FORTRAN Coding	Ex. 1-3	QUIZ 1 Ex. 6, Section 1.3 due
M	Sept. 14	3.1	Input Operations	Ex. 1-4	I Lab Problem 2.1 assigned (due Sept. 23)
		3.2	Input Operations Cont'd	Ex. 1-4,5a,6b	
W	Sept. 16	3.3	Output Operations	Ex. 1-4	
M	Sept. 21	3.4	Output Operations Cont'd	Ex. 1-5	QUIZ 2
W	Sept. 23	4.1	Logical Capability of the Computer	Ex. 1,2	I Lab Problem 2.1 due II Lab Problem 3.2 assigned (due Sept. 30)
M	Sept. 28		Review		
T	Sept. 29	(7 p.m.)	FIRST HOUR EXAMINATION		
W	Sept. 30		Discussion of Exam		II Lab Problem 3.2 due
		4.2	Basic Flow Chart Patterns	Ex. 1-4,7	III Lab Problem 4.1 assigned (due Oct. 14)
M	Oct. 5	4.3	Counting, Summarizing and Averaging	Ex. 1-4 Sec. 4.3, Ex. 5-7 (flow chart only)	
		5.1	Developing the Flow Chart		
W	Oct. 7		Flow Charting	Sec. 5.1, Ex. 1a,2a	
M	Oct. 12	5.2	The Process of Debugging	Ex. 1,2a,3a	QUIZ 3 (a flow chart) III Lab Problem 4.1 due IV Lab Problem 5.2 assigned (due Oct. 28)
		5.3	Program Development		
W	Oct. 14		Flow Chart for Lab Problem 5.2		Work out flow chart for Lab Problem 5.2
M	Oct. 19	6.1	Looping and the DO statement	Ex. 1-4	Flow chart for Lab Problem 5.2 due
		6.2	The DO Statement Extended	Ex. 1-5	
W	Oct. 21	7.1	Arrays	Ex. 1-4	

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The Lab Problem due dates are firm unless a change is announced in class. A 10% penalty will be levied for each class period a Lab Problem is late.

The exam dates and quiz dates are also firm.

Relative weights of various assignments on grade:

First Hour Examination	100 points (16.7%)
Second Hour Examination	100 points (16.7%)
Third Hour Examination	100 points (16.7%)
Final Examination	150 points (25.0%)
Quizzes 1-6 (Low quiz score will be dropped if student is present for all 6 quizzes) 20 points each for a total of	100 points (16.7%)
Lab Problems I-III and V 5 points each for a total of	20 points (3.3%)
Lab Problems IV, VI, and VII 10 points each for a total of	30 points (5.0%)
TOTAL	600 points (100%)

At the end of the course, your total points will be divided by 6 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply:

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Gortan Resinovic

K201
The Computer in Business
Section 4800
Second Semester, 1981-1982

Class Meets: TR, 11:00-12:15
BH 006

Office Hours: MW, 9:00-12:00, or by appointment
BU 680

Telephone: 335-8449

Required Text: Martin, E.W., and Perkins, W.C., FORTRAN for Business Students: A Programmed Instruction Approach, John Wiley & Sons, Inc., 1981.

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

Teaching Method: This course is based upon a set of programmed materials which you must work through before the class for which they are assigned. Not only must you work through the assigned frames, but you should study the summary and work the assigned problems at the end of each section. The main function of the class discussion will be to answer questions raised by the materials and to be sure that you get the help you need with each assignment. Thus, you are expected to attend each class, and you must do the assignment before the class if the class is to be helpful to you.

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Date		Text Assignment	End-of-Section Exercises	Other Assignments
T Mar 2	6.1	Looping and the DO statement	Ex. 1-4	Flowchart for Lab Problem IV due
	6.2	The DO Statement Extended	Ex. 1-5	
R Mar 4	7.1	Arrays	Ex. 1-4	
T Mar 9		Review		
T Mar 9 7:00 pm		SECOND HOUR EXAMINATION	(Sections 4.2-7.1)	
R Mar 11		Discussion of Exam		Lab Problem IV due;
	7.2	Processing Arrays	Ex. 1-4	Lab Problem V (Problem 6.2) assigned
T Mar 16		Arrays Continued	Sec. 7.2,Ex. 7,8,10	
	7.3	Tables and Table Look-up	Ex. 1-3	
R Mar 18		Table Look-up Continued	Sec. 7.3, Ex.5-7	Quiz 4; Lab Problem V due; Lab Problem VI (Problem 7.2) assigned
		SPRING VACATION		
T Mar 30	9.1	Overview of Software	Ex. 1-4, 6,8	
	9.2	Canned Programs	Ex. 4,5 (Set up BMD program, but do not punch cards)	
R Apr 1	10.1	Summary Reports	Ex. 1,2a	
T Apr 6		Summary Reports continued	Sec. 10.1, Ex. 2b	Quiz 5
	10.2	Data Processing Systems	Ex. 1-7	
R Apr 8	10.3	Summarization via Arrays and Tables	Ex. 1,2,3a	Lab Problem VI due
T Apr 13		Review	Sec. 10.3, Ex. 4a,5a,6a	
T Apr 13 7:00 pm		THIRD HOUR EXAMINATION	(Section 7.2-7.3, 9.1-10.3)	
R Apr 15		Discussion of Exam		
	11.1	Sequential Access Files	Ex. 1-5	

IMPORTANT NOTES

Lab problems I-VII may be done in pairs. With prior agreement by the instructor, each such pair of students may turn in only one completed problem, and both students will receive the same grade on the problem. It is important that both students work on and fully understand each problem. If one of the pair does not do his/her share, the other may declare the partnership null and void, and each student in the former pair shall turn in his/her own completed exercises. Each pair is to completely do its own work without consulting any other students. Partners will be changed at least once during the semester.

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The exam dates and quiz dates are also firm.

Relative weights of various assignments on grade:

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Second Hour Examination	100 points (16.7%)
Third Hour Examination	100 points (16.7%)
Final Examination	150 points (25.0%)
Quizzes 1-6 (Low quiz score will be dropped if student is present for all 6 quizzes) 20 points each for a total of	100 points (16.7%)
Lab problems I-III and V 5 points each for a total of	20 points (3.3%)
Lab problems IV,VI, and VII 10 points each for a total of	30 points (5.0%)
TOTAL	600 points (100 %)

At the end of the course, your total points will be divided by 6 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply.

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Gortan Resinovic

K201
The Computer in Business
Section 4798
Second Semester, 1981-1982

Class Meets: TR, 9:30-10:45
BH 006

Office Hours: MW, 9:00-12:00, or by appointment
BU 680

Telephone: 335-8449

Required Text: Martin, E.W., and Perkins, W.C., FORTRAN for Business Students: A Programmed Instruction Approach, John Wiley & Sons, Inc., 1981.

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

Teaching Method: This course is based upon a set of programmed materials which you must work through before the class for which they are assigned. Not only must you work through the assigned frames, but you should study the summary and work the assigned problems at the end of each section. The main function of the class discussion will be to answer questions raised by the materials and to be sure that you get the help you need with each assignment. Thus, you are expected to attend each class, and you must do the assignment before the class if the class is to be helpful to you.

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Date		Text Assignment	End-of-Section Exercises	Other Assignments
T Mar 2	6.1	Looping and the DO statement	Ex. 1-4	Flowchart for Lab Problem IV due
	6.2	The DO Statement Extended	Ex. 1-5	
R Mar 4	7.1	Arrays	Ex. 1-4	
T Mar 9		Review		
T Mar 9 7:00 pm		SECOND HOUR EXAMINATION	(Sections 4.2-7.1)	
R Mar 11		Discussion of Exam		Lab Problem IV due;
	7.2	Processing Arrays	Ex. 1-4	Lab Problem V (Problem 6.2) assigned
T Mar 16		Arrays Continued	Sec. 7.2,Ex. 7,8,10	
	7.3	Tables and Table Look-up	Ex. 1-3	
R Mar 18		Table Look-up Continued	Sec. 7.3, Ex.5-7	Quiz 4; Lab Problem V due; Lab Problem VI (Problem 7.2) assigned
		SPRING VACATION		
T Mar 30	9.1	Overview of Software	Ex. 1-4, 6,8	
	9.2	Canned Programs	Ex. 4,5 (Set up BMD program, but do not punch cards)	
R Apr 1	10.1	Summary Reports	Ex. 1,2a	
T Apr 6		Summary Reports continued	Sec. 10.1, Ex. 2b	Quiz 5
	10.2	Data Processing Systems	Ex. 1-7	
R Apr 8	10.3	Summarization via Arrays and Tables	Ex. 1,2,3a	Lab Problem VI due
T Apr 13		Review	Sec. 10.3, Ex. 4a,5a,6a	
T Apr 13 7:00 pm		THIRD HOUR EXAMINATION	(Section 7.2-7.3, 9.1-10.3)	
R Apr 15		Discussion of Exam		
	11.1	Sequential Access Files	Ex. 1-5	

IMPORTANT NOTES

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The exam dates and quiz dates are also firm.

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Third Hour Examination	100 points (16.7%)
Final Examination	150 points (25.0%)
Quizzes 1-6 (Low quiz score will be dropped if student is present for all 6 quizzes) 20 points each for a total of	100 points (16.7%)
Lab problems I-III and V 5 points each for a total of	20 points (3.3%)
Lab problems IV,VI, and VII 10 points each for a total of	30 points (5.0%)
TOTAL	600 points (100 %)

At the end of the course, your total points will be divided by 6 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply.

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Gortan Resinovic

K201
The Computer in Business
Section 5092

Class Meets: 9:30-10:45 a.m. TR, WH004

Office Hours: 11:00-12:00 a.m. Monday-Thursday, or by appointment
Business Room 680

Telephone: 337-8449 (office)
337-1378 (home)

Required Text: Martin, E. W. and W. C. Perkins, FORTRAN for Business Students, Wiley (1981).

Overview: This course is designed to provide the background that a manager should have in order to understand computers and their use in business. It also covers enough of the basics of FORTRAN programming to enable the student to write simple programs to use the computer in his or her Business School courses.

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IMPORTANT NOTE ON WITHDRAWAL DEADLINE:

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	Date		Text Assignment	End-of-Section Exercises	Other Assignments
T	Sept. 1		Preface, To The Student		
		1.1	Introduction to the Computer	Ex. 1-6	
R	Sept. 3	1.2	Introduction to FORTRAN	Ex. 1-4	Ex. 6, Section 1.3
		1.3	Punched Cards & Keypunching	Ex. 1	(due Sept. 10)
T	Sept. 8	2.1	FORTRAN Data and Variables	Ex. 1-5	
		2.2	Arithmetic Operations	Ex. 1-4	
R	Sept. 10	2.3	FORTRAN Coding	Ex. 1-3	QUIZ 1
					Ex. 6, Section 1.3 due
T	Sept. 15	3.1	Input Operations	Ex. 1-4	I Lab Problem 2.1
		3.2	Input Operations Cont'd	Ex. 1-4,5a,6b	assigned (due Sept. 24)
R	Sept. 17	3.3	Output Operations	Ex. 1-4	
T	Sept. 22	3.4	Output Operations Cont'd	Ex. 1-5	QUIZ 2
R	Sept. 24	4.1	Logical Capability of the Computer	Ex. 1,2	I Lab Problem 2.1 due II Lab Problem 3.2 assigned (due Oct. 1)
T	Sept. 29		Review		
	Sept. 29 (7 p.m.)		FIRST HOUR EXAMINATION		
R	Oct. 1		Discussion of Exam		II Lab Problem 3.2 due
		4.2	Basic Flow Chart Patterns	Ex. 1-4,7	III Lab Problem 4.1 assigned (due Oct. 15)
T	Oct. 6	4.3	Counting, Summarizing and Averaging	Ex. 1-4 Sec. 4.3, Ex. 5-7	
		5.1	Developing the Flow Chart	(flow chart only)	
R	Oct. 8		Flow Charting	Sec. 5.1, Ex. 1a,2a	
T	Oct. 13	5.2	The Process of Debugging	Ex. 1,2a,3a	QUIZ 3 (a flow chart)
		5.3	Program Development		III Lab Problem 4.1 due IV Lab Problem 5.2 assigned (due Oct. 29)
R	Oct. 15		Flow Chart for Lab Problem 5.2		Work out flow chart for Lab Problem 5.2
T	Oct. 20	6.1	Looping and the DO statement	Ex. 1-4	Flow Chart for
		6.2	The DO Statement Extended	Ex. 1-5	Lab Problem 5.2 due
R	Oct. 22	7.1	Arrays	Ex. 1-4	

	Date		Text Assignment	End-of-Section Exercises	Other Assignments
T	Oct. 27		Review		
	Oct. 27	(7 p.m.)	SECOND HOUR EXAMINATION	(Sections 4.2-7.1)	
R	Oct. 29		Discussion of Exam		IV Lab Problem 5.2 due
		7.2	Processing Arrays	Ex. 1-4	V Lab Problem 6.1 assigned (due Nov. 5)
T	Nov. 3		Arrays Cont'd	Sec. 7.2, Ex. 7,8,10	
		7.3	Tables and Table Look-up	Ex. 1-3	
R	Nov. 5		Table Look-up Cont'd	Sec. 7.2, Ex. 7,8,10	QUIZ 4 V Lab Problem 6.1 due VI Lab Problem 7.3 assigned (due Nov. 24)
T	Nov. 10	9.1	Overview of Software	Ex. 1-4,6,8	
		9.2	Canned Programs	Ex. 4,5 (Set up BMD program, but not data & do not punch cards.)	
R	Nov. 12	10.1	Summary Reports	Ex. 1,2a	
T	Nov. 17		Summary Reports, Cont'd	Sec. 10.1, Ex. 2b	QUIZ 5
		10.2	Data Processing Systems	Ex. 1-7	
R	Nov. 19	10.3	Summarization Via Arrays and Tables	Ex. 1,2,3a	
T	Nov. 24		System Design	Sec. 10.3, Ex. 4a,5a,6a	VI Lab Problem 7.3
THANKSGIVING RECESS					
T	Dec. 1		Review		
		11.1	Sequential Access Files	Ex. 1-5	
	Dec. 1	(7 p.m.)	THIRD HOUR EXAMINATION	(Sec. 7.2-7.3, 9.1-10.3)	
R	Dec. 3		Discussion of Exam System Design	Work on parts A&B of Lab Problem 11.3, page 772	VII Lab Problem assigned (due Dec. 10) (handout)
T	Dec. 8	11.2	Direct Access Files	Ex. 1-5	QUIZ 6
		11.3	On-Line Systems	Ex. 1-4	
R	Dec. 10		System Design Discussion Review for Final	Sec. 11.3, Ex. 6,7	VII Lab Problem due
W	Dec. 16	(9:45 -11:45 a.m.)	FINAL EXAM		

IMPORTANT NOTES

Lab Problems I-VII may be done in pairs. With prior agreement by the instructor, each such pair of students may turn in only one completed problem, and both students will receive the same grade on the problem. It is important that both students work on and fully understand each problem. If one of the pair does not do his/her share, the other may declare the partnership null and void, and each student in the former pair shall turn in his/her own completed exercises. Each pair is to completely do its own work without consulting any other students. Partners will be changed at least once during the semester.

The Lab Problem due dates are firm unless a change is announced in class. A 10% penalty will be levied for each class period a Lab Problem is late.

The exam dates and quiz dates are also firm.

Relative weights of various assignments on grade:

First Hour Examination	100 points (16.7%)
Second Hour Examination	100 points (16.7%)
Third Hour Examination	100 points (16.7%)
Final Examination	150 points (25.0%)
Quizzes 1-6 (Low quiz score will be dropped if student is present for all 6 quizzes) 20 points each for a total of	100 points (16.7%)
Lab Problems I-III and V 5 points each for a total of	20 points (3.3%)
Lab Problems IV, VI, and VII 10 points each for a total of	30 points (5.0%)
TOTAL	600 points (100%)

At the end of the course, your total points will be divided by 6 to give your final average. Grades for the course will be based on the final average. No exact breakpoints between letter grades will be set until the course is over, but approximately the following scale will apply:

100.0 - 90	A+, A, A-
89.9 - 80	B+, B, B-
79.9 - 70	C+, C, C-
69.9 - 60	D+, D, D-
59.9 and down	F

Date	Text Assignment	End-of-Section Exercises	Other Assignments
T Apr 20 11.2	Direct Access Files System Design	Ex. 1-5 Work out parts A-D of Problem 11.3, p. 772	Lab Problem VII assigned (handout)
R Apr 22 11.3	On-Line Systems	Ex. 1-4	Quiz 6
T Apr 27	System Design Discussion Review for Final	Sec. 11.3, Ex. 5,6	Lab Problem VII due
M May 3 9:45-11:45 am	FINAL EXAMINATION		

Date		Text Assignment	End-of-Section Exercises	Other Assignments
T Jan 12		Preface, To The Student		
	1.1	Introduction to the Computer	Ex. 1-6	
R Jan 14	1.2	Introduction to FORTRAN	Ex. 1-4	Ex. 5, Section 1.3
	1.3	Punched Cards & Keypunching	Ex. 1	(due Jan. 21)
T Jan 19	2.1	FORTRAN Data and Variables	Ex. 1-5	
	2.2	Arithmetic Operations	Ex. 1-4	
R Jan 21	2.3	FORTRAN Coding	Ex. 1-3	Quiz 1; Ex. 5, Section 1.3 due
T Jan 26	3.1	Input Operations	Ex. 1-4	Lab Problem I (Problem 2.2)
	3.2	Input Operations (cont.)	Ex. 1-4,5a,6b	assigned
R Jan 28	3.3	Output Operations	Ex. 1-4	
T Feb 2	3.4	Output Operations (cont.)	Ex. 1-5	Quiz 2
R Feb 4	4.1	Logical Capability of the Computer	Ex. 1,2	Lab Problem I due; Lab Problem II (Problem 3.1) assigned
T Feb 9		Review		
T Feb 9 7:00 pm		FIRST HOUR EXAMINATION	(Sections 1.1-4.1)	
R Feb 11		Discussion of Exam		Lab Problem II due;
	4.2	Basic Flowchart Patterns	Ex. 1-4,7	Lab Problem III (Problem 4.2) assigned
T Feb 16	4.3	Counting, Summarizing and Averaging	Ex. 1-4	
			Section 4.3, Ex. 5-7	
	5.1	Developing the Flowchart	(flowchart only)	
R Feb 18		Flowcharting	Section 5.1, Ex. 1a,2a	
T Feb 23	5.2	The Process of Debugging	Ex. 1,2a,3a	Quiz 3 (a flowchart);
	5.3	Program Development		Lab Problem III due; Lab Problem IV (Problem 5.1) assigned
R Feb 25		Flowchart for Lab Problem IV		Work out flowchart for Lab Problem IV

Date	Text Assignment	End-of-Section Exercises	Other Assignments
T Apr 20 11.2	Direct Access Files System Design	Ex. 1-5 Work out parts A-D of Problem 11.3, p. 772	Lab Problem VII assigned (handout)
R Apr 22 11.3	On-Line Systems	Ex. 1-4	Quiz 6
T Apr 27	System Design Discussion Review for Final	Sec. 11.3, Ex. 5,6	Lab Problem VII due
M May 3 9:45-11:45 am	FINAL EXAMINATION		

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T Jan 12		Preface, To The Student		
	1.1	Introduction to the Computer	Ex. 1-6	
R Jan 14	1.2	Introduction to FORTRAN	Ex. 1-4	Ex. 5, Section 1.3 (due Jan. 21)
	1.3	Punched Cards & Keypunching	Ex. 1	
T Jan 19	2.1	FORTRAN Data and Variables	Ex. 1-5	
	2.2	Arithmetic Operations	Ex. 1-4	
R Jan 21	2.3	FORTRAN Coding	Ex. 1-3	Quiz 1; Ex. 5, Section 1.3 due
T Jan 26	3.1	Input Operations	Ex. 1-4	Lab Problem I (Problem 2.2) assigned
	3.2	Input Operations (cont.)	Ex. 1-4,5a,6b	
R Jan 28	3.3	Output Operations	Ex. 1-4	
T Feb 2	3.4	Output Operations (cont.)	Ex. 1-5	Quiz 2
R Feb 4	4.1	Logical Capability of the Computer	Ex. 1,2	Lab Problem I due; Lab Problem II (Problem 3.1) assigned
T Feb 9		Review		
T Feb 9 7:00 pm		FIRST HOUR EXAMINATION	(Sections 1.1-4.1)	
R Feb 11		Discussion of Exam		Lab Problem II due; Lab Problem III (Problem 4.2) assigned
	4.2	Basic Flowchart Patterns	Ex. 1-4,7	
T Feb 16	4.3	Counting, Summarizing and Averaging	Ex. 1-4 Section 4.3, Ex. 5-7 (flowchart only)	
	5.1	Developing the Flowchart		
R Feb 18		Flowcharting	Section 5.1, Ex. 1a,2a	
T Feb 23	5.2	The Process of Debugging	Ex. 1,2a,3a	Quiz 3 (a flowchart); Lab Problem III due; Lab Problem IV (Problem 5.1) assigned
	5.3	Program Development		
R Feb 25		Flowchart for Lab Problem IV		Work out flowchart for Lab Problem IV

	Date		Text Assignment	End-of-Section Exercises	Other Assignments
M	Oct. 26		Review		
T	Oct. 27	(7 p.m.)	SECOND HOUR EXAMINATION	(Sections 4.2-7.1)	
W	Oct. 28		Discussion of Exam		IV Lab Problem 5.2 due
		7.2	Processing Arrays	Ex. 1-4	V Lab Problem 6.1 assigned (due Nov. 4)
M	Nov. 2		Arrays Cont'd	Sec. 7.2, Ex. 7,8,10	
		7.3	Tables and Table Look-up	Ex. 1-3	
W	Nov. 4		Table Look-up Cont'd	Sec. 7.2, Ex. 7,8,10	QUIZ 4
					V Lab Problem 6.1 due
					VI Lab Problem 7.3 assigned (due Nov. 23)
M	Nov. 9	9.1	Overview of Software	Ex. 1-4,6,8	
		9.2	Canned Programs	Ex. 4,5 (Set up BMD program, but not data & do not punch cards.)	
W	Nov. 11	10.1	Summary Reports	Ex. 1,2a	
M	Nov. 16		Summary Reports, Cont'd	Sec. 10.1, Ex. 2b	
		10.2	Data Processing Systems	Ex. 1-7	QUIZ 5
W	Nov. 18	10.3	Summarization Via Arrays and Tables	Ex. 1,2,3a	
M	Nov. 23		System Design	Sec. 10.3, Ex. 4a,5a,6a	VI Lab Problem 7.3 due
THANKSGIVING RECESS					
M	Nov. 30		Review		
T	Dec. 1	(7 p.m.)	THIRD HOUR EXAMINATION	(Sec. 7.2-7.3, 9.1-10.3)	
W	Dec. 2		Discussion of Exam		
		11.1	Sequential Access Files	Ex. 1-5	
M	Dec. 7		System Design	Work on parts A&B of Lab Problem 11.3, page 772; Ex. 1-5	QUIZ 6
		11.2	Direct Access Files		VII Lab Problem assigned (due Dec. 14) (handout)
W	Dec. 11	11.3	On-Line Systems	Ex. 1-4	
M	Dec. 14		System Design Discussion Review for Final	Sec. 11.3, Ex. 6,7	VII Lab Problem due
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T Apr 20 11.2	Direct Access Files System Design	Ex. 1-5 Work out parts A-D of Problem 11.3, p. 772	Lab Problem VII assigned (handout)
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T Apr 27	System Design Discussion Review for Final	Sec. 11.3, Ex. 5,6	Lab Problem VII due
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	4.2	Basic Flowchart Patterns	Ex. 1-4,7	Lab Problem III (Problem 4.2) assigned
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			Section 4.3, Ex. 5-7	
	5.1	Developing the Flowchart	(flowchart only)	
R Feb 18		Flowcharting	Section 5.1, Ex. 1a,2a	
T Feb 23	5.2	The Process of Debugging	Ex. 1,2a,3a	Quiz 3 (a flowchart);
	5.3	Program Development		Lab Problem III due; Lab Problem IV (Problem 5.1) assigned
R Feb 25		Flowchart for Lab Problem IV		Work out flowchart for Lab Problem IV