

COURSE CLASSIFICATION FORM

Course Number/Name	Math 351 Numerical Analysis		
Prepared by	Dr. Mohamed Ahmed Attia		
Program Learning Outcomes	Levels* (0,1,2,3,4,5)	Relevant Activities	Assessment Methods/Metrics
a1. Apply fundamentals and concepts of mathematics.	5	- Lectures - Assignments.	2 Midterm and final exams Home work
a2. Apply fundamentals and concepts General sciences and Computer skills.	3	- Lectures - Assignments - Oral discussion	-Check the problems solution Discusses with them the results of computations analysis and problem solutions
a3. Realize Social and ethical values.			
b1. Read and construct mathematical arguments and proofs.	3	- Lectures - Assignments	2 Midterm and final exams Home work
b2. Apply critical thinking skills to solve problems that can be modeled mathematically.	4	- Lectures - Assignments - Oral discussion	Home work Quizzes
c1. Work independently and within a team	4	Divided students into groups and using oral discussion with homework	2 Midterm and final exams Home work
c2. Bear responsibility for different situations.	2		-Check the problems solution Discusses with them the results of computations analysis and problem solutions -Quizzes
c3. Realize codes of ethics and their importance.			
d1. Communicate a depth and breadth of mathematical knowledge, both orally and in writing.	3	- Lectures - Assignments - Oral discussion	2 Midterm and final exams Home work

d2. Ability to Organize, connect and communicate mathematical and algorithmic ideas	3	- Lectures - Assignments	Home work Quizzes
d3. Critically interpret numerical and graphical data.	3	- Assignments on information data and represented data	Home work Quizzes
e1. Use computer and its applications as an office tool	4	- Assignments on some resulting numbers.	Home work Quizzes

* Please mark (or type) High (5), Medium-High (4), Medium (3), Low-Medium (2), Low (1) or Not At All (0) indicating the level to which you believe, as an instructor, the students have achieved these outcomes in this course.

Instructor Course Evaluation Form

The purpose of this evaluation is to collect instructor feedback for improving this course and the Mathematics program. Information will also be used for program accreditation purposes.

I. Program Learning Outcomes Evaluations

Course Number/Name	Math 351 Numerical Analysis	Semester	First 1434/1435				
Instructor	Dr. Mohamed Ahmed Attia	2					
The course listed above is designed for students to achieve the following outcomes at a Not At All, Low, Low-Medium, Medium, Medium-High or High level.							
Please mark (or type) High (5), Medium-High (4), Medium (3), Low-Medium (2), Low (1) or Not At All (0) indicating the level to which you believe, as an instructor, the students have achieved these outcomes in this course.							
Program Learning Outcomes	Relevant Activities	5	4	3	2	1	0
a1. Apply fundamentals and concepts of mathematics.	- Lectures - Assignments	√					
a2. Apply fundamentals and concepts General sciences and Computer skills.	- Lectures - Assignments.			√			
a3. Realize Social and ethical values.							√
b1. Read and construct mathematical arguments and proofs.	- Lectures - assignments			√			
b2. Apply critical thinking skills to solve problems that can be modeled mathematically.	- Lectures - Assignments - Oral discussion				√		
c1. Work independently and within a team	Divided students into groups and using oral discussion with homework				√		
c2. Bear responsibility for different situations.			√				
c3. Realize codes of ethics and their importance.							√
d1. Communicate a depth and breadth of mathematical knowledge, both orally and in writing.	- Lectures - assignments - Oral discussion		√				
d2. Ability to Organize, connect and communicate mathematical and algorithmic ideas.	- Lectures - Assignments		√				
d3. Critically interpret numerical and graphical data.	- Assignments on information data and represented data		√				

Instructor Course Evaluation Form

e1. Use computer and its applications as an office tool	Assignments on some resulting numbers				√		
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II. Catalog Description , and Course Prerequisites Evaluations:

Based on your experiences in the course, please respond by circling the most appropriate number. Circle N/A for items that are not applicable, or if you have no opinion.

Catalog Description 1434-1435	<ul style="list-style-type: none"> errors and their sources Numerical techniques for solving nonlinear equations including the study of error analysis and rate of convergence Solving systems of linear equations by, direct methods (Gaussian and LU decomposition). Solving systems of linear equations by, indirect methods (Jacobi, Gauss-Seidel). Polynomial interpolation (Lagrange -Newton's methods -forward and backward differences) and analysis of errors Numerical differentiation-Numerical integration Euler and Taylor methods in solving differential equations. 	Circle One (5=Strongly Agree; 1=Strongly disagree)					
Course Prerequisites:	Math 321	Circle One (5=Strongly Agree; 1=Strongly disagree)					
2a. Do you believe that the catalog description (above) is accurate for this course?		(5)	4	3	2	1	N/A
2b. Do you believe that the course prerequisites (above) are appropriate for this course?		5	(4)	3	2	1	N/A
2c. If not, please list any prerequisites you believe are not appropriate for this course.							

III. Textbook(s) and/or Lab Manuals (if applicable) Evaluations:

Textbook(s) and/or Lab Manuals (if applicable):	- Numerical Analysis (9th Ed.), Richard L. Burden, J. Douglas Faires, 2011. -Walter Gautschi Numerical Analysis, Springer, 2011	Circle One (5=Strongly Agree; 1=Strongly Disagree)					
3a. In general, do you believe this to be an appropriate textbook for this course?		(5)	4	3	2	1	N/A
3b. Was the organization of the textbook appropriate for this course?		5	(4)	3	2	1	N/A
3c. Was the level of the textbook appropriate for this course?		5	(4)	3	2	1	N/A

IV. Computer usage (if applicable) Evaluations:

Computer usage (if applicable):		Circle One (5=Strongly Agree; 1=Strongly Disagree)					
5a. Was the use of computer well integrated with the course?		5	4	(3)	2	1	N/A

Instructor Course Evaluation Form

5b. Was the computer lab adequately equipped with well-maintained and updated computers?	5	4	3	(2)	1	N/A
5c. Was the computer lab equipped with sufficient number of computers?	5	4	3	(2)	1	(N/A)
5d. Were the special software packages (MATLAB, SPSS, C+, FORTRAN, etc) available and accessible?	5	4	(3)	2	1	(N/A)
5e. Was adequate technical support available when needed?	5	4	3	2	1	(N/A)

المقر	الزلفي- ذكور	اسم المقرر	التحليل العددي
الدرجة	البكالوريوس	النشاط	محاضرة
رمز المقرر	MATH 351	الشعبة	430

تسلسل	رقم الطالب	اسم الطالب	فصلي (60%)	نهائي (40%)	المجموع	التقدير
1	291102816	محمد بن سطاتم بن حمد السالمي الحربي	48	24	72	ج
2	292100481	نشمي بن شعوي بن عسكر العوفي	45	30	75	ج+
3	301106877	فواز بن مفلح بن صلاح المطيري	---	---	---	ع
4	301107441	أحمد بن عوض بن عابر الشمري	43	19	62	د
5	301110122	عبدالرحمن بن داخل بن ذياب العيزي المطيري	42	18	60	د
6	302102448	عبدالسلام بن محسن بن مبيريك الجلادي الرشيدى	53	37	90	أ
7	312100115	سجاد بن علي بن محمد الحاجي	50	16	66	د+
8	312164020	محمد بن ناصر بن رومي الرومي	50	13	63	د
9	321120030	فهد بن محمد بن عبدالله القشعمي	49	12	61	د
10	321120198	فهد بن محمد بن مسهي الرشيدى	43	17	60	د
11	321120258	سعود بن ناصر بن عبدالله العنزي	40	20	60	د
12	321120286	سلطان بن حسين بن هليل العنزي	47	18	65	د+
13	321120326	سلطان بن بداح بن عبدالرحمن البداح	43	22	65	د+
14	321120436	زياد بن الحميدي بن غازي الرخيمي	47	18	65	د+
15	321120466	محمد بن عبدالرحمن بن صالح الصعب	41	19	60	د
16	322120522	غازي بن فهد بن سالم الشمري	45	20	65	د+
17	322120549	فواز بن سعود بن ذعار الاسلمي	44	23	67	د+
18	322120551	وليد بن فهد بن مفلح الشمري	46	24	70	ج

اسم رئيس القسم :

التوقيع :

اسم أستاذ المقرر : محمد احمد ابراهيم عطية

التوقيع :

Majmaa University

Deanship of Admission and Registration

Edugate

Time : 19:51

Date: 02/06/2014



رصد الدرجات
الفصل الثاني 1435/1434

جامعة المجمعة

عمادة شؤون القبول والتسجيل

البوابة الالكترونية

الوقت : 19:51

التاريخ : 1435/08/4

صفحة 2 من 2

المقر	الزلفي- ذكور	اسم المقرر	التحليل العددي
الدرجة	البكالوريوس	النشاط	محاضرة
رمز المقرر	MATH 351	الشعبة	430

تسلسل	رقم الطالب	اسم الطالب	فصلي (60%)	نهائي (40%)	المجموع	التقدير
19	322120616	حمود بن وادي بن علي الشمري	47	24	71	ج
20	331105027	محمد بن خليل بن بن سعيد العصيمي	30	3	33	هـ
21	431320371	مدالله بن مطلب بن رفة الشمري	43	17	60	د
22	431320887	ناصر بن عبدالله بن جربوع المطيري	----	----	----	ع
23	431640021	عبدالله بن شقيب بن مشعل الرخيمي	45	27	72	ج

اسم رئيس القسم :

التوقيع :

اسم أستاذ المقرر : محمد احمد ابراهيم عطية

التوقيع :