

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program and Course Description Guide 2025



Introduction:

The educational program is a well—planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work. In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra—curricular activities to achieve the learning outcomes of the program.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

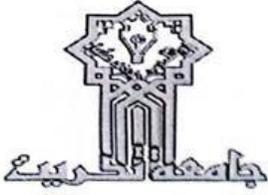
Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra- curricular activities to achieve the learning outcomes of the program.



Academic Program Description Form



University Name: Tikrit
Faculty/Institute: College of Education for woman
Scientific Department: Mathematic
Academic or Professional Program Name: B.Edu. Mathematic
Final Certificate Name: B.Edu. Mathematic
Academic System: Yearly
Description Preparation Date: 18/9/2024
File Completion Date : 18/9/2024

Signature:

Name: Prof. Dr.Rana

B.Yaseen

Head of Department Name:

Date:

Signature:

Name: Prof.Dr .Ashraf J.Mahmood

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Signature:

lecturer, Shahad Khaled Hamid

Date

Approval of the Dean

Prof.Dr.Naglaa Abdel Hussein Aliwi

Course Description Form

1. Course Name:					
Topology					
2. Course Code:					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
2024-9-18					
5. Available Attendance Forms:					
Weekly					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 hours every week \ Total hours are 30 hours					
7. Course administrator's name (mention all, if more than one name)					
Name : Rana Bahjat Yaseen Emil : zain2016@tu.edu.iq					
8. Course Objectives					
Course Objectives					
- Study and knowledge of Product topological spaces				
- Study types of Nano topological spaces				
- Study the concept Grill open sets				
9. Teaching and Learning Strategies					
Strategy		Applying various teaching methods ,including - Giving lectures Discussion method and electronic method.			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Topological spaces	Open set ,closed set, Bases and subbases	Electronic lectures, smart board ,pen	Written and daily exams with assignments

2	2	Topological spaces	Interior , exterior ,boundary, closure of a set	Electronic lectures, smart board ,pen	Written and daily exams with assignments
3	2	Connectedness	Separated sets , connected sets, locally connected	Electronic lectures, smart board ,pen	Written and daily exams with assignments
4-5	2	Continuity and topological equivalence	Continuous functions , open and closed and homeomorphism	Electronic lectures, smart board ,pen	Written and daily exams with assignments
6-8	2	Compactness	Covers ,compact sets , locally compact	Electronic lectures, smart board ,pen	Written and daily exams with assignments
9-11	2	Compactness	Covers ,compact sets , locally compact	Electronic lectures, smart board ,pen	Written and daily exams with assignments
12-15	2	Separation axioms	T1 –space , T2-space, regular space and normal space	Electronic lectures, smart board ,pen	Written and daily exams with assignments

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	General Topolgy Seymour lipschutz
Main references (sources)	Topology and maps by T. Husain 1977
Recommended books and references (scientific journals, reports...)	Malaya Journal of Matematik
Electronic References, Websites	International Journal of mathematics and statistics invention

Course Description Form

1. Course Name:				
Research Method				
2. Course Code:				
3. Semester / Year:				
2025-2024				
4. Description Preparation Date:				
2024-9-18				
5. Available Attendance Forms:				
6. Number of Credit Hours (Total) / Number of Units (Total)				
2 hours every week \ Total hours are 30 hours				
7. Course administrator's name (mention all, if more than one name)				
Name:				
Email :				
8. Course Objectives				
Course Objectives		<ul style="list-style-type: none"> - For the student to know the concept of science, its objectives and characteristics, to know the scientific knowledge of the components of the scientific and non-scientific method of obtaining knowledge. Explain how scientific quotation, conditions and types are to know the tools of information and data collection 		
Strategy 9. Teaching and Learning Strategies				
- Modern learning and teaching strategies				
10. Course Structure				
Hours	Intended Learning Outcomes	Unit or subject name	Learning method	Evaluation method
2		The concept of scientific research and its importance.		Written and daily exams with assignments
2		and its importance. Research Definitions	8	Written and daily exams with assignments

		(research title, research problem, research objectives, research limits, research terms),		
2		information collection and theoretical data, superficial and in-		Written and daily exams with assignments
2		- depth reading. Sample types random samples. - non-random samples - non-random.		Written and daily exams with assignments
2	C	samples: scientific research methods: - experimental method. - definition of experimental		Written and daily exams with assignments
2		of experimental method. - experimental experimental designs: One group style. Group rotation		Written and daily exams with assignments
2		- experimental research terms. variables. Move in the amount of the experimental variable. Types of experiments. Laboratory and non-laboratory experiments. One group experiences and equal groups. Short and long trials. Types of to write the letter.		Written and daily exams with assignments
2		riable. Types of experiments Scientific Books. Types of scientific writings		Written and daily exams with assignments
2		The concept of n-depth reading. Sample types. - random samples. - non-random samples		Written and daily exams with assignments

		- non-random samples: scientific research methods: - experimental method. - definition of experimental g write the letter. When do you start writing the letter? The main steps proposed to write the letter.		
2		The concept style. dissertation. Periodicals. Bulletins Bulletins. Reports. Books Books Scientific arch papers. article - Review article. Book authoring. publication. Methods of publishing the message. The		Written and daily exams with assignments
2		The concept of scientific research terms. variables. Move in the amount of the ting the letter? The main steps proposed to write the letter.		Written and daily exams with assignments
2		The ve in the amount of the experimental variable. Types of experiments. Laboratory and non-laboratory start writing the letter? The main steps proposed to write the letter.		Written and daily exams with assignments
2		These are the of the message. When do you start writing the letter? The main steps proposed to write the letter..		Written and daily exams with assignments
2		The concept of scientific. letter? The main steps proposed		Written and daily exams with assignments

		to write the letter. When do you start writing the letter? The main steps proposed to write the letter.		
2		Review. RES Research write the letter. When do you start writing the letter? The main steps proposed to write the letter.		Written and daily exams with assignments

11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reportsetc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)			البحث العلمي" تأليف د. عبد الرحمن منهجية بدوي.		
Recommended books and references (scientific journals, reports...)			أصول البحث العلمي" تأليف د. فيصل عباس.		
Electronic References, Websites					

البحث العلمي: مفهومه وأدواته وأساليبه" تأليف د. ذوقان عبيدات ود. عبد الرحمن عدس المقالات العلمية عبر قواعد البيانات مثل Google Scholar الأكاديمية مثل ResearchGate. المجالات العلمية مثل "مجلة العلوم" الاجتماعية" و"مجلة البحوث التربوية". المواقع الالكترونية الرصينة. المكتبة الافتراضية - مواقع المكتبات في بعض الجامعات العال موقع الأكاديمية العربية المفتوحة .للأبحاث العلمية Elsevier موق

Course Description Form

1. Course Name:	
Functional Analysis	
2. Course Code:	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
2024-9-18	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours / 2 unit	
7. Course administrator's name (mention all, if more than one name)	
Name: Elaf Sabah Abdulwahid	
Email: elafs.math@tu.edu.iq	
8. Course Objectives	
<ul style="list-style-type: none"> - Study and knowledge of normed space. - Study and knowledge of inner product space. - Study and knowledge some properties of Hilbert space. - Study and knowledge linear functional and linear operator on Hilbert space. - Study and knowledge separable space. - Study and knowledge invertible on Hilbert space. 	
9. Teaching and Learning Strategies	
Strategy	Applying various teaching methods ,including <ul style="list-style-type: none"> - Giving lectures Discussion method and electronic method.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-2	4	Introduction to Hilbert space with some examples and theorems.	Hilbert space	Electronic lectures, smart board ,pens	Written and daily exams with assignments
3-5	6	Study of seprable space and give some theorems., propositions and examples .	Separable space.	Electronic lectures, smart board ,pens	Written and daily exams with assignments
6-7	4	study orthogonal and orthogonal complement with some examples and theorems	Orthogonal and orthogonal complement	Electronic lectures, smart board ,pens	Written and daily exams with assignments
8-9	4	Study some properties of Fourier series and convex set.	Fourier series and convex set	Electronic lectures, smart board ,pens	Written and daily exams with assignments
10-11	4	Study some properties of bounded Linear functional	Linear functional	Electronic lectures, smart board ,pens	Written and daily exams with assignments
12-13	4	Study some properties of bounded Linear operator with some examples.	Linear operators	Electronic lectures, smart board ,pens	Written and daily exams with assignments
14-15	4	Study some operators in Hilbert space.	operators in Hilbert space	Electronic lectures, smart board ,pens	Written and daily exams with assignments

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports...

12. Learning and Teaching Resources

Introductory Functional Analysis with Applications
By Erwin Kreyszig.
Introduction to Hilbert space by Berberian.

Required textbooks (curricular books, if any)

Main references (sources)

Linear Functional Analysis by Bryan P. Rynne and Martin A. Yongsan.

Recommended books and references (scientific journals, reports...)

A course in Functional Analysis, Tohan B. C

Electronic References, Websites

Course Description Form

1. Course Name:	
Ordinary differential equations	
2. Course Code:	
Math.204	
3. Semester / Year:	
2024-2025	
4. Description Preparation Date:	
18/9/2024	
5. Available Attendance Forms:	
Actual presence/distance learning/recording video lessons	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30hours / 2unit	
7. Course administrator's name (mention all, if more than one name)	
Name: Amer Fadhel Nassar Email: amer6767@tu.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none">● Ordinary differential equations are considered one of the main topics in mathematics, and the student usually studies the topic after studying several chapters on the topic of calculus and integration, especially methods of integration● Emphasis on studying the concepts themselves and how they develop, and on the logical structure of the topic as a whole.● Emphasizing the importance of ordinary differential equations in our lives.● Ensure to demonstrate the role of ordinary differential equations and their applications.● Emphasis on studying the types of solutions.● Emphasizing the importance of studying theorems and their most important applications.● Emphasis on studying theorems that provide shortened solutions in time and effort.
9. Teaching and Learning Strategies	

Strategy	<ul style="list-style-type: none"> ● Use explanation and clarification to present concepts. ● Interact with students through discussions and practical exercises. ● Use real-life examples and applications to illustrate mathematical ideas.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
3	12	Chapter 1	Types of differential equations - the order of the differential equation - the degree of the differential equation - linear differential equations - solving the differential equations - forming the differential equation from its general solution - the theorem of the existence of the solution of the differential equation and the unity of the solution and its generalization to order n	Electronic lectures, smart board and pen	Exam, reports
10	40	Chapter 2	Equations whose variables separate - equations of the homogeneous type - differential equations with linear coefficients - exact differential equations - linear differential equations - Bernoulli's equation - reducing the order of equations	Electronic lectures, smart board and pen	Exam, reports
2	8	Chapter 3	Higher order equations - simultaneous differential equations - engineering applications - physical applications	Electronic lectures, smart board and pen	Exam, reports
6	24	Chapter 4	Linear differential equations - the operator- solving linear differential equations - Euler's equation	Electronic lectures, smart board and pen	Exam, reports

2	8	Chapter 5	Laplace transforms - inverse Laplace transforms	Electronic lectures, smart board and pen	Exam, reports
8	32	Chapter 6	Solving differential equations with series - Frobenius method - Frobenius equation - Bessel differential equation	Electronic lectures, smart board and pen	Exam, reports

11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.:

- Daily preparation.
- Daily exams.
- Oral and monthly tests.
- Written tests.
- Preparing reports and research projects.
- Quarterly activities and participation in discussions.
- Student performance in class and interaction with study materials

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	[1] Khaled Ahmed Al-Samarrai, Yahya Abdel Saeed: Methods of solving differential equations. [2] Salim Ismail Al-Gharabi, Sabah Hadi Al-Jassim: Differential equations.
Main references (sources)	[3] S. K. Kate: Engineering Mathematics - II
Recommended books and references (scientific journals, reports...)	Thomas calculus 12th edition
Electronic References, Websites	<ul style="list-style-type: none"> • University websites that provide educational materials on differential equations • Scientific articles and research available online in the field of differential equations.

Course Description Form

1.Course Name:

Scientific Plagiarism

2.Course Code:

3.Semester / Year:

2024-2025

Description PreparationDate:

18/9/2024

5. Available Attendance Forms:

Attendance Education and E-Learning

6. Number of Credit Hours (Total) / Number of Units (Total)

40 30hours / 2unit

7. Course administrator's name (mention all, if more than one name)

Name: Sundns NooryShukur

Email: snory@tu.edu.iq

8. Course Objectives

Course Objectives

Providing students with theoretical information on how to steal scientific and programs for plagiarism Teaching students scientific honesty, plagiarism and plagiarism Providing students with scientific and theoretical information on how to face the profession and build a strong professional personality for them through the guidance and advice provided to them

9. Teaching and Learning Strategies

Strategy	Modern learning and teaching strategies – where the teacher is prepared, trained and adequately
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Chapter 1	Definition of scientific plagiarism	Lecture and discussion	Daily and monthly test Homework

2	2	Chapter2	What percentage of scientific plagiarism is allowed in Iraq	Lecture and discussion	Daily and monthly test Homework
3	2	Chapter 3	What is the difference between a quote and a quote	Lecture and discussion	Daily and monthly test Homework
4	2	Chapter 4	Types of plagiarism programs	Lecture and discussion	Daily and monthly test Homework
5	2	Chapter 5	Scientific Secretariat	Lecture and discussion	Daily and monthly test Homework
6	2	Chapter 6	Types of scientific plagiarism	Lecture and discussion	Daily and monthly test Homework
7	2	Chapter 7	Scientific plagiarism	Lecture and discussion	Daily and monthly test Homework
8	2	Chapter 8	Benefits of plagiarism for scientific research	Lecture and discussion	Daily and monthly test Homework

11. Course Evaluation					
Daily preparation. Daily exams. Oral and monthly tests. Written tests. Preparing reports and research projects. Quarterly activities and participation in discussions. Student performance in class and interaction with study materials					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Curriculum and textbook		
Main references (sources)			General teaching methods		
Recommended books and references (scientific journals, reports...)			Cognitive learning and teaching strategies		
Electronic References, Websites			Sober websites. - Virtual library. - Library sites in some international universities		

Course Description Form

1.Course Name:

Modern mathematics teaching methods.

2.Course Code:

3.Semester/Year:

2024/2025

4.Description PreparationDate:

18/9/2024

5. Available Attendance Forms:

Attendance Education and E-Learning

6. Number of Credit Hours (Total) / Number of Units (Total)

40 hour/2units

7. Course administrator's name (mention all, if more than one name)

Name:Sundns Noory Shukur

Email:snory@tu.edu.iq

8. Course Objectives

Course Objectives

Providing students with theoretical information on how to communicate the teaching method Teaching students basic and supportive sciences Providing students with scientific and theoretical information on how to face the profession and build a strong professional personality for them through the guidance and advice provided to them

9. Teaching and Learning Strategies

Strategy

Modern learning and teaching strategies – where the teacher is prepared, trained and adequately

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Chapter 1	Definition of teaching methods	Lecture and discussion	Daily and monthly test Homework
2	2	Chapter 2	The importance of teaching methods	Lecture and discussion	Daily and monthly test Homework
3	2	Chapter 3	Educational objectives and behavioral goals	Lecture and discussion	Daily and monthly test Homework
4	2	Chapter 4	Types of teaching methods	Lecture and discussion	Daily and monthly test Homework
5	2	Chapter 5	Planning for teaching	Lecture and discussion	Daily and monthly test Homework
6	2	Chapter 6	Types of plans	Lecture and discussion	Daily and monthly test Homework
7	2	Chapter 7	Thinking Maps	Lecture and discussion	Daily and monthly test Homework
8	2	Chapter 8	Survey	Lecture and discussion	Daily and monthly test Homework

11. Course Evaluation					
Daily preparation. Daily exams. Oral and monthly tests. Written tests. Preparing reports and research projects. Quarterly activities and participation in discussions. Student performance in class and interaction with study materials					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Curriculum and textbook		
Main references (sources)			General teaching methods		
Recommended books and references (scientific journals, reports...)			Cognitive learning and teaching strategies		
Electronic References, Websites			Sober websites. - Virtual library. - Library sites in some international universities		

Course Description Form

1. Course Name: Numerical Analysis							
2. Course Code:							
3. Semester / Year: 2024-2025							
4. Description Preparation Date: 18/9/2024							
5. Available Attendance Forms: In class Weekly							
6. Number of Credit Hours (Total) / Number of Units (Total): units 30hours / 2unit							
7. Course administrator's name (mention all, if more than one name) Name: Mohammad Sabawi Email:mohammad.sabawi@tu.edu.iq							
8. Course Objectives							
Course Objectives	<ul style="list-style-type: none"> • Learning Numerical Analysis • Learning Numerical Algorithms • Learning Numerical Methods 						
9. Teaching and Learning Strategies							
Strategy							
10. Course Structure							
	2	Hours	Required Learning	MSc		Evaluation	
		Outcomes				method	

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11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Time series					
2. Course Code:					
3. Semester / Year:					
2024-2025					
4. Description Preparation Date:					
2024-9-18					
5. Available Attendance Forms:					
Weekly					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 hours every week \ Total hours are 30 hours					
7. Course administrator's name (mention all, if more than one name)					
Name : Hiba Hani Abdullah Emil : hiba.h.a.83@tu.edu.iq					
8. Course Objectives					
Course Objectives					
- Study and knowledge of time series and types of models in linear time series					
- Study concept of stationary and what is dependent					
- Study spectral density function and prediction					
9. Teaching and Learning Strategies					
Strategy		Applying various teaching methods ,including - Giving lectures Discussion method and electronic method.			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Random variable ,stochastic processes ,time series with	Stationary stochastic processes	Electronic lectures, smart board	Written and daily exams with

		examples ,first and second order and complete stationary process ,autocovariance and autocorrelation function		,pen	assignments
2-3	4	White noise process and autoregressive models of orders 1&2	Standard discrete random models	Electronic lectures, smart board ,pen	Written and daily exams with assignments
4-5	4	autoregressive models of orders p AR(P),moving average models MA(q), mixed ARMA(P,q) models	Standard discrete random models	Electronic lectures, smart board ,pen	Written and daily exams with assignments
6	2	The general linear model and Harmonic process	Standard discrete random models	Electronic lectures, smart board ,pen	Written and daily exams with assignments
7-8	4	White noise process and autoregressive models of orders 1&2	Standard continuity random models	Electronic lectures, smart board ,pen	Written and daily exams with assignments
9-10	4	autoregressive models of orders p AR(P) and moving average models MA(q)	Standard continuity random models	Electronic lectures, smart board ,pen	Written and daily exams with assignments
11-13	6	Fourier function and spectral analysis of periodic function and non -periodic function , spectral analysis of stationary process, relationship between spectral analysis and autocovariance and autocorrelation function	spectral analysis of time series	Electronic lectures, smart board ,pen	Written and daily exams with assignments
14-15	4	Find prediction by Kolomogrov approach in linear prediction and how find the value in future	Prediction	Electronic lectures, smart board ,pen	Written and daily exams with assignments

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11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	C .Chatfield ,time series Analysis1
Main references (sources)	m.B. Priestly, spectral analysis of time
Recommended books and references (scientific journals, reports...)	Malaya Journal of Matematik
Electronic References, Websites	International Journal of mathematics

and statistics invention

