**MinistryE And High ducation SScientific earch**
**D And the Supervision eviceCScientific alendar**
**C ircle A Gthe uarantee Q And uality AAcademic ccreditation**
**to DAccreditation ivide**


# Academic Program And Course Description Guide

**2025**

## :the introduction

The educational program is considered a coordinated and organized package academic courses that includes procedures and experiences organized in the of form of academic vocabulary, the main purpose of which is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market. It is reviewed and evaluated annually through internal or external audit .procedures and programs such as the external examiner program

The description of the academic program provides a brief summary of the main the skills that students are features of the program and its courses, indicating working to acquire based on the objectives of the academic program. The importance of this description is evident because it represents the cornerstone of writing it under obtaining program accreditation, and the teaching staff participates in .the supervision of the scientific committees in the scientific departments

This guide, in its second edition, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the latest developments in the educational system in Iraq, which included a description of the academic program in its traditional form (annual, quarterly), in addition to adopting the description of the academic program circulated according to the book regarding programs 2023/3/5 on 2906 .3/ 3 .T.M ,of the Department of Studies .that adopt the Bologna Process as a basis for their work

In this area, we can only emphasize the importance of writing descriptions of the smooth conduct of the educational to ensure academic programs and courses .process

## :Concepts and terminology

The description of the academic **: program academic Description of the**
of its vision, mission, and goals, including program provides a concise summary accurate description of the targeted learning outcomes according to specific an .learning strategies

Provides a necessary summary of the most important **: description Course** characteristics of the course and the learning outcomes that the student is expected to achieve, demonstrating whether he has made the most of the .the program description It is derived from .available learning opportunities

An ambitious picture for the future of the academic program to **:Program Vision** .be a developed, inspiring, motivating, realistic and applicable program

explains the objectives and activities necessary to briefly It **:Program message** .s development paths and directions'achieve them, and also identifies the program

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

All courses/study subjects included in the academic **:Curriculum structure** program according to the approved learning system (semester, annual, Bologna track), whether it is a requirement (ministry, university, college, or scientific .department), along with the number of study units

that the A consistent set of knowledge, skills, and values **:Learning outcomes** student has acquired after the successful completion of the academic program. The learning outcomes for each course must be determined in a way that .achieves the program objectives

They are the strategies used by a faculty member to **: strategies and learning** and they are plans that are followed to , and learning develop student teaching and classroom activities describes all reach learning goals. That is, it .of the programme to achieve the learning outcomes extracurricular

University name: Al-Furat Al-Awsat Technical University

College/Institute: Technical Institute/Najaf

Scientific Department: Department of Architectural Design and Decoration Technologies

Name of the academic or professional program: Technical Diploma in Architectural Design and Decoration Techniques

Name of final certificate: Diploma in Applied Arts / Architectural Design and Decoration Techniques Branch

Academic system: Yearly

Description preparation date20-5-2025

Date of filling the file: 15-6-2025

Signature:

Head of Department Name:.

Assit.Prof. Dr. Hussein Mazloum Abbas

Date:

Signature:

Scientific Associate Name:

Assit.Prof. Salah Mahdi Al-Adly Date:

Th

e file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

. Asst. Prof. Dr. Abdel Wahab Abdel Zara Hassan

Date:

Signature:

Approval of the Dean

Prof. Dr. Haider Hassan Abdel Hussein

| 1. **See the program** |
| --- |
| **It is to provide and prepare graduates with high scientific competence in the fields of crime investigation, criminal investigations, fingerprinting, and how to collect, deal with, and analyze evidence that contributes to diagnosing to scientific foundations perpetrators according.** |

| 2. **Program message** |
| --- |
| .the program's mission as stated in the university's bulletin and website State |

| 3. **Program Goals** |
| --- |
| General statements that describe what the program or institution intends to .achieve |

| 4. **Program accreditation** |
| --- |
| Does the program have program accreditation? From which side? both |

| 5. **Other external influences** |
| --- |
| The official sponsor of the program for forensic techniques is the Najaf Technical Awsat Technical University–Furat Al–Institute and the Al |

| 6. structure Program | | | | |
|---|---|---|---|---|
| * comments | percentage | Study unit | Number of courses | Program structure |
| | 6.5% | 8 | 4 | Enterprise requirements |
| | 24.5% | 30 | 5 | College requirements |
| | 68.8% | 84 | 13 | Department requirements |
| | | 0 | 1 | summer training |
| | | | | Other |

.course is core or elective Notes may include whether the *

| 7. Program description | | | | |
|---|---|---|---|---|
| Year/level | Course or course code | Name of the course or course | Credit hours | |
| First year | | Basics of design | theoretical | practical |
| | | Engineering drawing | - | 3 |
| | | Workshop work | - | 4 |
| | | Finishing materials | 2 | 4 |
| | | Perspective | - | 3 |
| | | Building history | 2 | - |
| | | Layout and colours | 1 | 3 |
| | | Calculator Apps (1) | 1 | 1 |
| | | Human rights and democracy | 1 | - |
| | | English language | 1 | - |
| | | Arabic language | 1 | |
| Second year | | interior design | | |
| | | furniture design | 2 | 4 |
| | | Bring out and show | 1 | 3 |
| | | Computer architectural drawing | 3 | --- |
| | | Make models | ---- | 4 |
| | | Quantitative survey | 2 | --- |
| | | Arabic calligraphy and decoration | --- | 4 |
| | | English language | 1 | --- |

| | | | | |
|---|---|---|---|---|
| | | The project | **2** | **–** |
| | | Calculator applications | **1** | |
| | | Baath crim | **1** | __ |
| | | Arabic language | **1** | |

| **8. Expected learning outcomes of the programme** | |
|---|---|
| **Knowledge** | |
| 1-Providing information and theoretical knowledge on relevant topics.<br>2-Preparing the student to be able to continue his studies to higher levels.<br>3-Increasing the student's knowledge to become familiar with most of the scientific terms in the specialty in a way that facilitates the development process<br>4- The student's knowledge in the field of printing, interior and architectural design | |
| Skills | |
| 1- Developing the student's skill and developing his artistic potential.<br>2- The skill of managing work sites and organizational processes<br>3- The skill of using tools and knowledge at the appropriate time and place.<br>4- Providing graduates with technical and creative skills and abilities in the field of architectural design and decoration and the ability to think methodically soundly. | |
| | |
| **Value** | |
| 1- Preparing highly qualified staff specialized in the field of architectural design and decoration techniques.<br>2- Achieving contact with the applied reality within state governmental and private institutions<br>3- Continuous scientific development<br>4- Commitment to professional ethics | |
| | |

## 9. Teaching and learning strategies

Explaining the scientific material to students in detail, relying on modern teaching and learning methods and strategies, such as the modified lecture method, discussion, brainstorming, exploration or investigation methods, and other methods that develop students' creative and artistic abilities.

- Using raw materials to create modern products and utilizing them in daily practical exercises.
- Creating models and exercises required for architectural models.
- Implementing graduation projects capable of competing in local markets.

E-learning includes:

- Video lectures in PDF format.
- Conducting online classes and online meetings to explain and discuss lectures.
- Creating online assignments and homework for students.

## 10. Evaluation methods

1- Oral exams to determine the student's academic background.

2- Daily tests.

3- Semester exams (written and practical)

4- Comprehensive (final) exams (written and practical)

5- Electronic tests include:

Theory tests and Reports and projects

| 11. education institution | | | | | | |
|---|---|---|---|---|---|---|
| **Faculty members** | | | | | | |
| **Scientific rank** | **Specialization** | | **Special requirements/skills (if any)** | | **Preparing the teaching staff** | |
| | **general** | **private** | | | **Permanet staff employee** | **lecturer** |
| Teacher | civil | Building and construction | | | 1 | |
| Teacher | Applied Arts | Arts | | | 1 | |
| Assistant teacher | Applied Arts | Arts | | | 3 | |
| Assistant Professor | Management and Economics | Tourism | | | 1 | |
| Assistant teacher | waterre sources | Building | | | 1 | |

| development Professional |
| --- |
| **Orienting new faculty members** |
| There are some requirements that contribute to the development process for new faculty, including:<br>1- Teaching methods courses<br>2- Validity test<br>3- Arabic language, computer and other courses |
| **Professional development for faculty members** |
| The professional development process occurs in several ways<br>1- Various scientific courses<br>2- Workshops<br>3- Scientific seminars |
| |

| 12. **Acceptance standard** |
| --- |
| First: Conditions for admission to the institute:<br>- Adopting admission conditions for students within the regulations of the Ministry of Higher Education, Scientific Research and Central Admission<br>- To be medically fit<br>Second: Conditions for admission to the department:<br>- Must be a graduate of vocational preparatory school<br>- Acceptance rate in vocational/scientific/literary preparatory school<br>- The rate determined in the relevant department<br>- The department's capacity |

| 13. **The most important sources of information about the program** |
|---|
| 1- The scientific curricula prescribed by the specialized sector committees of the Technical Education Authority.<br>2- Amendments proposed by department faculty members, not exceeding 20% of the prescribed curriculum, according to labor market requirements and scientific developments in various fields of science, arts, architecture, and modern industry.<br>3- Specialized seminars and training courses with beneficiaries.<br>4- The use of artificial intelligence in arts and architecture journals from various sources, including:<br>• The effectiveness of artificial intelligence in the design of architectural and urban sculpture: Author: Salma Mohsen<br>• The artificial intelligence revolution in architecture and construction [2023] - GESCO<br>• Artificial intelligence in the preservation of arts and cultural heritage - Mustafa Ibrahim<br>• The challenges of artificial intelligence as an educational medium for creativity in the field of fine arts - Dr. Ruqaya Abdo |

| 14. Program development plan |
|---|
| The program development plan depends mainly on two things<br>1- Continuous questionnaires from the labor market and graduates<br>2- Legal powers to amend curricula and obtain approvals from relevant authorities |

| skills chart Program | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | outcomes required from the programme Learning | | | | | | | | | |
| Year/level | Course Code | Course Name | Essential or ?optional | Knowledge | | | | Skills | | | | Value | | | |
| | | | | A1 | A2 | A3 | A4 | B 1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 |
| First year | Basics of design | | Specialized | * | * | * | | | * | | * | | * | | |
| | Engineering drawing | | Specialized | | * | * | | * | | * | | * | | | |
| | Workshop work | | Specialized | | * | | * | | | | | * | | * | |
| | Finishing materials | | Specialized | | * | * | | | | * | | * | * | | |
| | Perspective | | Specialized | * | * | | | | | * | | | * | | |
| | Building history | | Specialized | * | | | | | | | * | | | * | |
| | Layout and colours | | Non Specialized | * | * | | | | | | | | | | |
| | Computer Apps (1) | | Non Specialized | * | | * | * | | * | | * | | | | |
| | Human rights and democracy | | Non Specialized | | | | | | | | | | | | |
| | English language | | Non Specialized | * | | * | | | * | * | | | | | * |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Language Arabic | | | * | | * | | | * | * | | | | | | * |
| **Second year** | interior design | | Specialized | * | | * | | * | * | | * | | * | * | | |
| | furniture design | | Specialized | | * | * | | * | | | | * | | | | |
| | Bring out and show | | Specialized | | * | | * | * | | | * | * | | * | | |
| | Computer architectural drawing | | Specialized | | * | | | | | * | | * | * | | | |
| | Make models | | Specialized | * | * | * | | * | | * | | | * | | * | |
| | Quantitative survey | | Specialized | * | | | * | | | | * | * | | * | | |
| | Arabic calligraphy and decoration | | Specialized | * | * | * | | | * | | * | * | | * | | |
| | English language | | Non Specialized | * | | * | * | | | | | | * | | | |
| | The project | | Specialized | * | | * | | * | * | * | | * | * | | * | |
| | Computer applications2 | | Non Specialized | | | * | | * | | | * | * | | * | * | |
| | Baath crimes | | Specialized | * | | * | | * | * | * | * | * | * | | * | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Language Arabic | | **General** | * | | * | * | | | | | | * | | |

- **check the boxes corresponding to the individual learning outcomes from the program subject to evaluation Please**

**Course description form**

| |
|---|
| 1. Course name: Foundations of Design |
| |
| 2. Course code |
| |
| 3. Semester/Year: First |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more tha one name is mentioned) |
| Name Ms. Najah Mohammed |
| |
| 1. Goal of the material |
| **The general goal: Developing the student's performing abilities, developing his artistic and emotional capabilities, and training him in the use of tools and employing materials within advanced artistic scientific foundations through the analytical study of artistic elements, wheth geometric or natural, and employing them in artistic formation processes based on the scientifi principles approved within this field.**<br><br>**Special goal: Employing design elements and linking them artistically in architectural design a decoration works.** |
| 2. Teaching and learning strategies |

| | |
|---|---|
| **The strategy** | Scientific lectures - practical lectures - scientific trips - daily, monthly and quarterly tests<br>And scientific reports. |

| 3. Course structure | | | | | |
|---|---|---|---|---|---|
| **the week** | **hours** | **Required learning outcomes** | **Name of the unit or topic** | | **Evaluation method** |
| **the first** | **3** | **general introduction the details of artistic formation and the methods used in the process of formation and innovation in design using available illustrative means (celsides, illustrative pictures, etc.).** | | | |
| **the seco** | **3** | A detailed explanation o the design elements (po line, direction, space, siz texture, color value) and explanation of their possibilities, types, and shapes using illustrative means. | | | |
| **the thir** | **3** | An analytical study of design principles (harmony, repetition, contrast, etc.) and their i in the process of artistic composition by achievin the best visual comprehension by selecting appropriate elements and methods o relating them to the corr basic relationships to accomplish and realize t design idea. | | | |
| **the four** | **3** | **Explaining importance of des principles in gene and the three ba methods in composition proc (repetition of eleme their harmony a opposition) particular, us** | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | **illustrative means the composit process.** | | | |
| **Fifth** | **3** | **A review of des principles with analytical explanat of each of them a their relationships w each other in artwork, using poss illustrative me (repetition, harmo progression, dominance, un balance).** | | | |
| **VI** | **3** | **An analytical study repetition and explanation of different types a forms (monoton repetition, n monotonous repetiti free repetiti rhythmic repetiti with an explanation methods for achiev the best vis comprehension of design.** | | | |
| **Seventh** | **3** | An analytical study on harmony in artistic composition an an explanation its types and | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | through the various artistic elements using the available explanatory means. | | | | |
| **VIII** | **3** | An analytical study of gradation as on of the basic principles, with an explanation its types and possibilities through application to t various elemen (gradation by length, size, lig spot, colours, area, direction...etc.) | | | | |
| **Ninth** | **3** | An analytical study of contrast and clarificatior its importance in the process of arti composition, its types and possibili (opposition by length, size, color, value, directi etc.) | | | | |
| **The ten** | **3** | An analytical study on balance, as it is one of important and basic principles in any plastic wo with an explanation of its types and the possibi of achieving it through better comprehension the artistic work using possible explanat means. | | | | |
| **eleventl** | **3** | An analytical study of unity in arti composition for the best visual understanding reach the design idea (unity of form, unity content). | | | | |
| **twelvet** | **3** | An analytical study on importance of sovereig and its role in realizing idea in the artistic w using possible explana means. | | | | |
| **Thirtee** | **3** | An analytical study symmetry and importance as a type repetition, which achie | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | the best vi comprehension of artistic work along v visual comprehension the artistic work and explanation of its var uses. | | | |
| **fourtee** | **3** | A general review (artistic-material) relationships and t uses in the art composition process. | | | |
| **Fifteent** | **3** | How to achieve the de idea using more than principle. | | | |
| **Sixteen** | | Criticism, analysis discussion of stude work. | | | |
| **Sevente** | | An analytical explanatio the importance of better comprehension of the artistic work and how to achieve it using the laws visual comprehension (juxtaposition, symmetr continuity... etc.) using possible explanatory means. | | | |
| **Eightee** | | An analytical study on colors as one of the important basic element the composition process | | | |
| **Ninetee** | | Explaining the different color theories with an explanation of their psychological effects. | | | |
| **Twenty** | | An analytical study on texture as one of the des elements. | | | |
| **Twenty noe** | | Explaining the artistic potential of texture and effect on artistic work. | | | |
| **Twenty two** | | Explaining the importan of juxtaposition, texture and overlay in artistic works. | | | |
| **Twenty three** | | Studying the effect of juxtaposition, texture, a overlay in works of art a their effects to achieve t best understanding of th idea for the viewer. | | | |
| **Twenty four** | | Explaining the importa of light value as one of main elements through use of different mater and their effects on artwork. | | | |

| | | | | | |
|---|---|---|---|---|---|
| **Twenty five** | | A critical analytical st of various works of (local, internati designs, paintings, etc.). | | | |
| **Twenty sex** | | An analytical study highlight the importanc relationships, how employ elements in art work, and its implicat for the exercises compl by students. | | | |
| **Twenty seven** | | An analytical study three-dimensional sha in terms of size, forma process, and viev angles of these shapes. | | | |
| **Twenty eight** | | Explaining the importa of studying th dimensional shapes terms of size, composi process, viewing ang and their applications various design fi (prints, fabrics). | | | |
| **Twenty nine** | | A general review of design and its foundati and an emphasis on most important aspects the composition process | | | |
| **Thirty** | | A critical and analyt study of students' exerc that are completed as f works that include outcome of the scien material for the acade year. | | | |

4. 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

5. Learning and teaching resources

| | |
|---|---|
| textbooks (methodology, if any) Required | 1-Scott. Robert Gillam - Foundations of Book World Design 1986.<br>2 -Riyad Abdel Fattah - Training in Plastic Arts - Al Nahda Library 1967.<br>3 -Faraj Abbo. Science of the Elements of Art (two parts) Ministry of Higher Education and Scientific Research - University of Baghdad 1988.<br>4- Binding Fundamentals of Design, Qasim Muhammad Saleh |
| Main references (sources) | Graves .M.The Art of color and design, 2 megrawhill, 1951. |
| Recommended supporting books and references (....journals, reports scientific) | |
| Electronic references, Internet sites | |

| Practical vocabulary/design foundations | |
|---|---|
| **Vocabulary details** | **The week** |
| A general introduction to the process of artistic formation and the methods adopted in the process of formation and innovation in design. Practical exercises in performing methods and the possibility of tools | the first |
| Practical exercises on elements, their shapes, and their capabilities (point, line, direction, area, size, texture, color). | |
| Practical exercises on methods of using design principles in artistic work by choosing appropriate elements to achieve the design idea. | the second |
| Practical applications for conducting exercises for students on the three basic principles in the composition process (repetition of elements, their harmony, and their opposition). | the third |
| Conduct applied exercises on the use of different design principles and their relationship with each other in artistic work (repetition, harmony, gradation, contrast, dominance, unity, balance) by applying them to the various elements. | the fourth |
| Practical exercises on repetition as one of the basic principles and clarifying its types and forms (monotonous repetition, non-monotonous repetition, free repetition, rhythmic repetition) using different elements. | Fifth |
| Practical applications of harmony by clarifying its types and uses through artistic elements | VI |
| Practical applications of gradation as one of the basic relationships by doing various exercises (gradation by length, volume, light value, color, area, direction, etc.) | Seventh |
| Conduct applied exercises on the types of opposition (opposition by length, size, color, value, direction, etc.) | VIII |
| Practical applications to clarify the importance of balance in artistic work, indicating its types and the possibility of achieving it | Ninth |
| Practical exercises to demonstrate the importance of unity in composition (unity of form, unity of content) | The tenth |
| Practical exercises on the importance of dominance in form and content in artistic work | eleventh |
| Applications on the importance of contrast by doing exercises for students as a type of repetition that achieves the best visual comprehension | twelveth |
| Develop design ideas using appropriate elements and linking them to the correct technical principles | Thirteenth |
| Conduct applied exercises that verify the idea in different fields of design | fourteenth |
| Criticism, analysis and discussion of students' work | Fifteenth |
| Practical applications in using the laws of visual comprehension and their applications to various designs in order to convey the design message | sixteen |

| | |
|---|---|
| Practical applications on the importance of space by conducting exercises on surfaces and solids within different design fields | seventeenth |
| Do applied exercises on colors as one of the basic elements in artistic work | eighteen |
| Conduct applied exercises on the types of colors (primary, secondary, warm, cold...) | nineteenth |
| Analyze, criticize, discuss, and clarify the negative aspects of students' work | The twentieth |
| Applied exercises on texture as one of the design elements using different materials in the collage method, clarifying its effect on designs as an artistic mass. | 21st |
| Practical exercises on juxtaposition, contact and superposition (applications in the fields of interior design and architectural decoration | twenty tow |
| Practical exercises on photometric value using different materials (paper, ink, cloth, wood, etc.) | twenty third |
| Various applications to develop the student's performance and mental abilities through employing elements (their juxtaposition, contact, and coexistence) using different artistic principles. | twenty fourth |
| Applied exercises on three-dimensional shapes in the field of architectural design and decoration | 25th |
| Applications on three-dimensional shapes to highlight their importance and present them in the correct artistic form through better understanding of different viewing angles and the effects of shadows. | twenty-sixth |
| Practical exercises on models using different materials and raw materials by employing artistic elements and principles to guide specific design ideas. | 27th |
| A general review of the design and its foundations, and an emphasis on the most important aspects that serve the composition process | Twenty-eighth |
| Reviewing students' work and exercises that are completed as final works that include the practical material for the academic year | XXIX |

| |
|---|
| 1. Course name: Furniture design |
| |
| 2. Course code |
| |
| 3. Semester/Year: Second |
| |
| 4. Date this description was prepared 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more than one nan is mentioned) |
| Name: M.M. Haider Abdullah Email: |

| | |
|---|---|
| Objectives of the study subject | General: Knowing the history of furniture design, the stages of its development, and the principles of designing furniture pieces and furniture for various uses.<br>Special: Identifying the history of furniture design and supervising implementation by drawing plans and implementing furniture pieces (office and home) in normal size or on a small scale. |

| 1. Teaching and learning strategies | |
|---|---|
| Scientific lectures - practical lectures - scientific trips - daily, monthly and quarterly tests and scientific reports. | **strategies** |

| | |
|---|---|
| | |

1. Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written And practical Tests | Lectures | furniture design/ | The student needs to know how to draw geometric projections for selected pieces of furniture to develop his ability to use computer programs | The first, second and third |
| = | = | | Developing the student's ability to choose appropriate linking methods when creating any design through pre-prepared illustrations using the computer | Fourth, fifth and sixth |
| = | = | | Developing student work by creating models of designs with projections using computer programs | Eighth and ninth |
| = | = | | Discussing the designs prepared by the students | The tenth |
| = | = | | Collective criticism and evaluation of the models implemented by the student | eleventh |
| = | = | | Office desks (types, dimensions, and different shapes depending on their use) displaying models and illustrative images | twelveth |
| = | = | | Developing the vocabulary by making final drawings using the computer. | Three and fourteen |
| = | = | | Discussing initial and different designs by the student. | Fifteenth |
| = | = | | Storage and display units (types, functions, measurements). | sixteen |
| = | = | | Show examples and illustrations. | seventeenth |
| = | = | | Discussion of diagrams by the student. | Eighteenth and nineteenth |
| = | = | | Collective criticism of the models implemented in the workshop. | The twentieth |
| = | = | | The need for the student to acquire skills in preparing final plans and engineering drawings for various pieces of furniture. | Twenty-first and twenty-second |
| = | = | | Beds (vocabularies and models) in homes, hotels, and hospitals for all ages. Show examples and illustrations. | twenty third |
| = | = | | Discussion of diagrams by the student. | Twenty-fourth and twenty-fifth |

| | | | | |
|---|---|---|---|---|
| | | | | |
| = | = | | Furniture decoration, perforation, cutting and gilding. Presentation of models and illustrative pictures and explanation of implementation techniques. This is supported by a field visit to one of the specialized workshops. | twenty-sixth |
| = | = | | Developing the student's technique in preparing designs using the computer while adding decorative units | Twenty-seventh and twenty-eighth |
| = | = | | Discussion of diagrams by the student | XXIX |
| = | = | | Collective criticism of the models that will be implemented according to the available capabilities | thirty |

1. 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. The pursuit grade should be 50 and the final exam should be 50%.

2. Learning and teaching resources

| | |
|---|---|
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

**Practical vocabulary**

| the week Vocabulary details | the week |
|---|---|
| Practical applications using the Auto cad program to draw furniture pieces with different functions (horizontal and vertical projections and perspective) with visualization using the 3D Max program. | The first, second and third |
| Using the 3D Max and Auto Cad programs, draw detailed diagrams showing the methods of installation and connection of different furniture pieces (plans, sections, three-dimensional drawings, and perspective) using ready-made illustrations within the program. | Fourth, fifth and sixth |
| Seating units (seats) Preparing preliminary designs and specifying materials for the model differ from one student to another. | Seventh |
| Using the Auto Cad program, prepare preliminary plans for the seating units (seats) (geometric projections and perspective). | Eighth and ninth |
| Begin implementing models according to measurements and specifications | The tenth |
| Complete the forms in appropriate ways and submit them | eleventh |
| Preparing a preliminary design for different tables and desks by each student, choosing manufacturing materials, and starting to prepare preliminary plans | twelveth |
| Submitting the final plans (projections and perspective) executed with the AUTO CAD program and choosing a model to be implemented | Three and fourteen |
| Complete the forms in appropriate ways and submit them | Fifteenth |
| Preparing preliminary designs by the student and selecting materials | sixteen |
| Finalizing the drawings, submitting them, and choosing the models that will be implemented in the workshop | seventeenth |
| Begin implementing models according to measurements and specifications | eighteen |

| | |
|---|---|
| Complete the forms in appropriate ways and submit them | nineteenth |
| Preparing preliminary designs by each student for storage and display units | The twentieth |
| Providing the final plans (projections and perspectives) for the display and storage units implemented in the AUTO CAD program and choosing a model for implementation. | Twenty-first and twenty-second |
| Begin implementing models according to measurements and specifications | Twenty-third and twenty-fourth |
| Complete the forms in appropriate ways and submit them | 25th |
| Preparing preliminary designs for decorative furniture pieces according to the student's choice | twenty-sixth |
| Providing final plans (projections and perspectives) for decorative furniture pieces executed using the AUTO CAD program and choosing a model for implementation. | Seventh, eighth and twenty-ninth |
| Complete the forms in appropriate ways and submit them | thirty |

| |
|---|
| 1. Course name: Engineering drawing |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 90 hours / 6 units |
| |
| |
| 7. Name of the course administrator (if more than one |

name is mentioned)

Name: M.M. Mudar Reda Hussein:

| | |
|---|---|
| **General objective: The student understands the principles of engineering drawing, methods of representing objects, projections, sections, technical plans, and knows engineering symbols and terminology, enabling him to transform his idea into a design.**<br>**Specific goal: To provide the student with the necessary skill to read the design..** | **Objectives of the study subject** |

1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

2. Course structure

| Evaluation method | Learning method | **Name of the unit or topic** | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions | The first, second and |

| | | | | |
|---|---|---|---|---|
| | | | command bar using Auto CAD | thirteenth |
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |
| = | = | | Drawing scale and its importance in engineering drawing | Twenty-fifth and twenty-sixth |
| = | = | | Cutting bodies, cutting and its types, drawing the pieces in the figure and projections, and finding the projections for the cut figures. | 27th |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Name of the course: Workshop activities |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside workshops and laboratories |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: M.M. Haider Abdul-Ilah |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |

| | | | | |
|---|---|---|---|---|
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Finishing materials |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall, workshop, and closings |
| |
| 6. Number of study hours (total) / number of units (total): 180 hours / 12 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: M.M. Dhurgham Saad Falih |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Perspective |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and studio |
| |
| 6. Number of study hours (total) / number of units (total): 90 hours / 6 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: M.M. Zahraa Falah Abdel Moneim<br>Email: |
| |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |

| | | | | |
|---|---|---|---|---|
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: History of Architecture |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 60 hours / 4 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: asst. lec. Zahraa Falah Email: |
| |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |
| 1. Course name: Planning and colours | |
| | |
| 2. Course code | |
| | |
| 3. Semester/year: First and second semester/first academic year | |
| | |
| 4. Date this description was prepared: 20/5/2025 | |
| | |
| 5. Available forms of attendance: attendance inside the hall | |
| | |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units | |
| | |
| | |
| 7. Name of the course administrator (if more than one name is mentioned) | |
| Name: asst.lec. Haider Abdul-Ilah email: | |
| 1. Course name: Planning and colours | 1. Course name: Planning and colours |

| 1. Teaching and learning strategies | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

| Course structure | | | | |
|---|---|---|---|---|
| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |

| | | | | | |
|---|---|---|---|---|---|
| | Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| | = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| | = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| | = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| | = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| | = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| | = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| | = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| | = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| | = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| | = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| | = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| | = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. |
| Learning and teaching resources |

| | |
|---|---|
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: computer applications1 |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and laboratory |
| |
| 6. Number of study hours (total) / number of units (total): 30 hours / 2 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: asst.lec M.M.Russel Abdel Hadi Email: |

| | |
|---|---|
| | |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the | Fifth and sixth |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Auto CAD program. | |
| | = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| | = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| | = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| | = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| | = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| | = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| | = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| | = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Human Rights and Democracy |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/first academic year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 60 hours / 4 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: asst.lect. M.M. Abdullah Zuhair Email: |
| |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

# ((Second academic year))

## Course description form

| |
|---|
| 1. Course name: Interior Design |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and workshop |
| |
| 6. Number of study hours (total) / number of units (total): 180 hours / 12 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: M.M. Zahraa Falah Abdel Moneim Email: |
| |

### 1. Teaching and learning strategies

| | The strategy |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto | Seventh and eighth |

| | | | | |
|---|---|---|---|---|
| | | | CAD | |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Furniture design |
| |
| 2. Course code |
| |
| 3. Semester/Year: Second |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: asst.lect. Haider Abdullah Email: |
| |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |
| 1. Course name: Directing and showing | |
| | |
| 2. Course code | |
| | |
| 3. Semester/year: First and second semester/second year | |
| | |
| 4. Date this description was prepared: 20/5/2025 | |
| | |
| 5. Available forms of attendance: attendance inside the studio and laboratory | |
| | |
| 6. Number of study hours (total) / number of units (total): 90 hours / 6 units | |
| | |
| | |
| 7. Name of the course administrator (if more than one name is mentioned) | |
| Name: Maha Aboudi Email: | |
| | |

| 1. Teaching and learning strategies | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

| Course structure | | | | |
|---|---|---|---|---|
| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |

| | | | | |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. |
| Learning and teaching resources |

| | |
|---|---|
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Computer architectural drawing |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the studio and laboratory |
| |
| 6. Number of study hours (total) / number of units (total): 90 hours / 6 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: Maha Aboudi Email: |

| | |
|---|---|
| | |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the | Fifth and sixth |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Auto CAD program. | |
| | = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| | = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| | = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| | = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| | = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| | = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| | = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| | = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Making models |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and workshop |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: M.M. Rasul Abdul Hadi , Siham Abdel Moneim Email: |
| |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Quantitative surveying |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and workshop |
| |
| 6. Number of study hours (total) / number of units (total): 60 hours / 4 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: Dr. Ali Abdul Amir Email: |
| |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |
| 1. Course name: Arabic calligraphy and decoration | |
| | |
| 2. Course code | |
| | |
| 3. Semester/year: First and second semester/second year | |
| | |
| 4. Date this description was prepared: 20/5/2025 | |
| | |
| 5. Available forms of attendance: attendance inside the hall and workshop | |
| | |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units | |
| | |
| | |
| 7. Name of the course administrator (if more than one name is mentioned) | |
| Name: asst.lect. Dargham Saad Falih Email: | |
| | |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| | Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| | = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| | = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| | = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| | = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| | = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| | = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| | = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| | = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| | = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| | = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| | = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| | = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. |
| Learning and teaching resources |

| | |
|---|---|
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course name: Project |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and workshop |
| |
| 6. Number of study hours (total) / number of units (total): 120 hours / 8 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: Teaching Group Email: |
| |

## 1. Teaching and learning strategies

| | |
|---|---|
| Scientific lectures - daily, monthly and quarterly tests. | **The strategy** |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the | Fifth and sixth |

| | | | | | |
|---|---|---|---|---|---|
| | | | | Auto CAD program. | |
| | = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| | = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| | = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |
| | = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| | = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| | = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| | = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| | = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |

| |
|---|
| 1. Course Name: Computer Applications (2) |
| |
| 2. Course code |
| |
| 3. Semester/year: First and second semester/second year |
| |
| 4. Date this description was prepared: 20/5/2025 |
| |
| 5. Available forms of attendance: attendance inside the hall and workshop |
| |
| 6. Number of study hours (total) / number of units (total): 30 hours / 2 units |
| |
| |
| 7. Name of the course administrator (if more than one name is mentioned) |
| Name: asst.lect. Dargham Saad Falih Email: |
| |

## 1. Teaching and learning strategies

| The strategy |
|---|
| Scientific lectures - daily, monthly and quarterly tests. |

Course structure

| Evaluation method | Learning method | Name of the unit or topic | Required learning outcomes | the week |
|---|---|---|---|---|
| Oral and written | Lectures | | The importance of engineering drawing, engineering drawing tools and their use, engineering drawing board sizes, installing the board, applications for using engineering drawing tools | the first |
| = | = | | Drawing data table, types of lines, drawing a panel on the different types of drawing lines in the Auto CAD program | the second |
| = | = | | Writing Arabic and English letters and numbers in Auto CAD | the third |
| = | = | | Geometric operations, bisecting a line, dividing a line into a number of equal parts | IV and |
| = | = | | Connecting two circles with a circle arc from the inside and outside and drawing a circle that touches the sides of a known triangle, inside and outside, by commanding Are, Circle in the Auto CAD program. | Fifth and sixth |
| = | = | | Draw a regular hexagon, a regular pentagon, and a regular polygon inside the circle using the Polygon instruction in Auto CAD | Seventh and eighth |
| = | = | | Drawing the model and its applications using Auto CAD | The ninth and tenth |
| = | = | | How to set dimensions on objects using the Dimensions command bar using Auto CAD | The first, second and thirteenth |

| | | | | |
|---|---|---|---|---|
| = | = | | Drawing the three projections of the simple solid using Auto CAD | fourteenth |
| = | = | | Draw the solid using the three projections | The fifth, sixth and seventeenth |
| = | = | | Draw the solid using two projections | Eighteenth and nineteenth |
| = | = | | Drawing oval shapes with applications for drawing ovals on the different faces of the solid using the Ellipse instruction in the Auto CAD program. | Twenty-first and twenty-second |
| = | = | | Drawing the vertical projection of objects with cavities and protrusions using Auto CAD | Twenty-third and twenty-fourth |

| 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. The pursuit grade should be 50 and the final exam should be 50%. | |
| Learning and teaching resources | |
| | Required textbooks (methodology, if any) |
| | Main references (sources) |
| | Recommended supporting books and references (scientific journals, reports....) |
| | Electronic references, Internet sites |