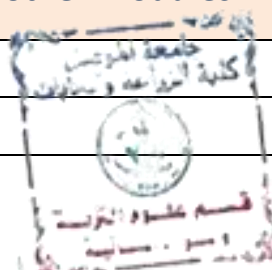


MODULE DESCRIPTION FORM

| Module Information | | | |
|------------------------------------|---|-------------------------------|--|
| Module Title | SUSTANIBLE DEVELOPMENT | | Module Delivery |
| Module Type | Core learning activity | | <input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar |
| Module Code | SUD1090 | | |
| ECTS Credits | 2 | | |
| SWL (hr/sem) | 125 | | |
| Module Level | 2 | Semester of Delivery | |
| Administering Department | SSWR1969, PLPR1966, HOLA1974, FORE1964, FOSC1965, FICR1973, ANPR1964, AGECE1979, AETT1979, AGME1986 | College | AGFO1964 |
| Module Leader | Alla Mohamed Abdullah Omar Dheyaa Mohammed Asmaa Mohammed Adil Moyassar Mohammed Aziz Nofal Issa Mohamed sumyia khalaf Badawi Firas Kadhim Dawoo Aljuboori Khaled Anwer Khaled ALKHALED Talal Saeed Hameed Muzahim Saeed Al-Bek | e-mail | ala.mohammed58@uomosul.edu.iq dr.omarallah@uomosul.edu.iq asmaama@uomosul.edu.iq moyassar_aziz@uomosul.edu.iq nofelemh@uomosul.edu.iq dr.sumyia_khalf@uomosul.edu.iq firasaljuboori@uomosul.edu.iq khalid.anwar31@uomosul.edu.iq stalal1982@uomosul.edu.iq muzahim_saeed@uomosul.edu.iq |
| Module Leader's Acad. Title | Professor | Module Leader's Qualification | Ph.D. |
| Module Tutor | Ms. Yousef Hasan Yousef Ms. Ahmed Sameer Ganem Mrs. Aleaa Abdullatif Jasem | e-mail | N.A. |
| Peer Reviewer Name | Assistant Professor - Professor | e-mail | N.A. |
| Scientific Committee Approval Date | 19/1/2025 | Version Number | 1.0 |

| Relation with other Modules | | | |
|-----------------------------|------|----------|--|
| Prerequisite module | None | Semester | |
| Co-requisites module | None | Semester | |



Module Aims, Learning Outcomes and Indicative Contents

| | |
|---------------------------------|--|
| Module Objectives | <ol style="list-style-type: none"> 1. Understand the concept of sustainable development and its various dimensions. 2. Analyze the impact of environmental and social changes on achieving sustainability. 3. Study the role of government policies and innovation in supporting sustainable development. 4. Raise awareness of the importance of achieving social justice within the goals of sustainability. |
| Module Learning Outcomes | <ol style="list-style-type: none"> 1. Interpret the concepts and goals of sustainable development. 2. Assess the impact of climate and policies on resource sustainability. 3. Analyze the role of education and technology in achieving sustainable development. 4. Propose innovative strategies to enhance sustainability in various sectors. |
| Indicative Contents | <ol style="list-style-type: none"> 1. Introduction to the Sustainable Development Goals and Global Challenges. 2. Natural Resource Management and Climate Change. 3. Policies Supporting Sustainability in the Fields of Energy and Agriculture. 4. Innovation and Social Justice in Achieving a Sustainable Future. <p>Total hrs = 62 = SSWL - (Exam hrs) = 62-2= 60 (Time table hrs x 15 weeks)</p> |

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

| | |
|-------------------|--|
| Strategies | <ol style="list-style-type: none"> 1. Interactive lecture, Brainstorming 2. Dialogue and discussion 3. Assigning reports 4. Quizzes 5. Show examples for writing scientific reports in the correct formats. <p>.1</p> |
|-------------------|--|

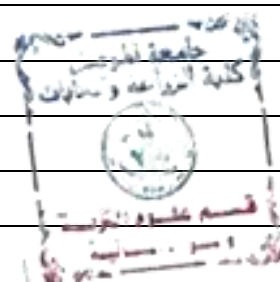
Student Workload (SWL)

| | | | |
|---------------------------------|-----|-------------------------------|---|
| Structured SWL (h/sem) | 62 | Structured SWL (h/w) | 4 |
| Unstructured SWL (h/sem) | 63 | Unstructured SWL (h/w) | 4 |
| Total SWL (h/sem) | 125 | | |



| Module Evaluation | | | | | |
|----------------------|--------------|-------------|------------------|------------|---------------------------|
| | | Time/Number | Weight (Marks) | Week Due | Relevant Learning Outcome |
| Formative assessment | Quizzes | 3 | 15% (15) | 3, 9 ,11 | LO #1, #2 and #10, #11 |
| | Assignments | 2 | 10% (10) | 2 and 12 | LO #3, #4 and #6, #7 |
| | Projects | 1 | 10% (10) | Continuous | All |
| | Report | 1 | 5% (5) | 13 | LO #5, #8 and #10 |
| Summative assessment | Midterm Exam | 2hr | 10% (10) | 7 | LO #1 - #7 |
| | Final Exam | 3hr | 50% (50) | 16 | All |
| Total assessment | | | 100% (100 Marks) | | |

| Delivery Plan (Weekly Theory Syllabus) | |
|--|---|
| | Material Covered |
| Week 1 | Introduction to Sustainable Development |
| Week 2 | Economic, Social, and Environmental Dimensions of Sustainable Development |
| Week 3 | History and Evolution of the Concept of Sustainable Development |
| Week 4 | (Sustainable Development Goals (SDGs |
| Week 5 | Sustainability in Natural Resource Management |
| Week 6 | Climate Change and Its Impact on Sustainable Development |
| Week 7 | Midterm Exam |
| Week 8 | The Role of Education and Awareness in Achieving Sustainable Development |
| Week 9 | Renewable Energy and Sustainability |
| Week 10 | Sustainability in the Agricultural and Food Sector |
| Week 11 | Government Policies and Their Role in Achieving Sustainable Development |
| Week 12 | Innovation and Technology in Supporting Sustainability |
| Week 13 | Social Justice and Equality in Sustainable Development |
| Week 14 | Global Challenges Facing Sustainable Development |
| Week 15 | The Future of Sustainable Development |
| Week 16 | Preparatory week before the final Exam |



Delivery Plan (Weekly practical Syllabus)

| | Material Covered |
|----------------|---|
| Week 1 | .Introduction to sustainable development goals. |
| Week 2 | Study of sustainable economic and social foundations. |
| Week 3 | Workshop on sustainability applications in local projects. |
| Week 4 | .Analysis of environmental challenges and opportunities in sustainable development. |
| Week 5 | Case study on sustainable resource management. |
| Week 6 | Analyzing the role of technology in supporting sustainability. |
| Week 7 | Midterm Exam |
| Week 8 | Workshop on sustainable water and energy management. |
| Week 9 | Discussing strategies for sustainable agriculture improvement. |
| Week 10 | .Evaluating eco-friendly development projects. |
| Week 11 | Understanding sustainable practices in the construction sector. |
| Week 12 | Case study on renewable energy usage. |
| Week 13 | Practical: Developing a business model for a sustainable project. |
| Week 14 | .Discussion on sustainability challenges in developing communities. |
| Week 15 | Project presentations and discussions on feasibility and conclusions. |

Learning and Teaching Resources

| | Text | Available in the Library? |
|--------------------------|---|---------------------------|
| Required Texts | عمر بن اخضر خلفاوي " التنمية المستدامة" | no |
| Recommended Texts | عبدالله بن عبد الرحمن البريدي " التنمية المستدامة : مدخل تكاملي لمفاهيم الاستدامة وتطبيقاتها" | |
| Websites | | |



| Grading Scheme | | | |
|--|-------------------------|----------|---------------------------------------|
| Group | Grade | Marks % | Definition |
| Success Group (50 - 100) | A - Excellent | 90 - 100 | Outstanding Performance |
| | B - Very Good | 80 - 89 | Above average with some errors |
| | C - Good | 70 - 79 | Sound work with notable errors |
| | D - Satisfactory | 60 - 69 | Fair but with major shortcomings |
| | E - Sufficient | 50 - 59 | Work meets minimum criteria |
| Fail Group (0 – 49) | FX – Fail | (45-49) | More work required but credit awarded |
| | F – Fail | (0-44) | Considerable amount of work required |
| | | | |
| Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above. | | | |



Subject Lecturer

Ms. Yousef Hasan Yousef



Subject Lecturer

Ms. Ahmed Sameer Ganem



Subject Lecturer

Mrs. Aleaa Abdullatif Jasem



Head of Department

Khalid Anwar Khaled




Chairman of scientific committee

Dr. Abdalkader Absh Sbak