

## model a description The decision

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>1 . Course name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |
| Scientific research methods and ethics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |
| <b>2 . Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |
| HUACCD011045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |
| <b>3 . Chapter/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |
| / First course2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |
| <b>4 .Date of preparation of this description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |
| 7\3\2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |
| <b>5 . Available attendance forms</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |
| My presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |
| <b>6 .Number of study hours ( total) ) / Number of units ( total )</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |
| 26 / Hour 26 units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |
| <b>7. Name of the course supervisor ( if more than one name is mentioned ) (</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
| Name : Dr. Hussein Dikan Darwish<br>:Email hussaind.uob@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |
| <b>8 .Course objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |
| <ul style="list-style-type: none"> <li><b>Cognitive objectives</b><br/>Teaching students how to write different types - 1<br/>.of research, preliminary studies<br/>And the highest in addition to the ethics of<br/>scientific research methodology</li> <li>2 Developing the capabilities of the student -<br/>researcher in the field of scientific research and<br/>developing his ability<br/>To realize , understand and comprehend the<br/>.standards or sources on which it is based</li> <li><b>Program Skill Objectives</b><br/><br/>1- Collecting and searching for information<br/>2- Identify relevant sources</li> </ul> | <b>Subject objectives</b> |
| <b>9 . Teaching and learning strategies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <ul style="list-style-type: none"> <li>• The importance of enhancing awareness of research ethics to ensure integrity and reliability in scientific research</li> <li>• Focus on training and continuing education and establish clear research policies and procedures</li> <li>• .Establish a research ethics committee for supervision and guidance</li> </ul> <p>Evaluation methods</p> <ul style="list-style-type: none"> <li>• Ethical standards are an integral part of the criteria for criticism of scientific research</li> <li>• Scientific criteria are the most important for the arbitration and discussion committee during the arbitration of academic studies</li> <li>• The title of the research is the first thing that catches the eye of the referee or examiner in the academic study and research</li> </ul> | Strategy |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

| Course structure .10 |                 |                                                      |                            |         |            |
|----------------------|-----------------|------------------------------------------------------|----------------------------|---------|------------|
| Evaluation method    | Learning method | Name of the unit or topic                            | Required learning outcomes | Watches | The week   |
|                      | My presence     | <b>Science and the scientific method</b>             |                            | 2       | the first  |
|                      | My presence     | <b>Research methodology</b>                          |                            | 2       | the second |
|                      | My presence     | <b>Features and obstacles of scientific thinking</b> |                            | 2       | the third  |
|                      | My presence     | <b>Researcher readiness</b>                          |                            | 2       | Fourth     |
|                      | My presence     | <b>Steps of the scientific method and the</b>        |                            | 2       | Fifth      |

|  |             |                                                                                         |  |   |            |
|--|-------------|-----------------------------------------------------------------------------------------|--|---|------------|
|  |             | <b>research problem</b>                                                                 |  |   |            |
|  | My presence | <b>Previous studies and testing the validity of hypotheses</b>                          |  | 2 | Sixth      |
|  | My presence | <b>Access and dissemination of results</b>                                              |  | 2 | Seventh    |
|  | My presence | <b>Research presentation and writing style</b>                                          |  | 2 | The eighth |
|  | My presence | <b>Uses of letters tables, shapes and charts</b>                                        |  | 2 | Ninth      |
|  | My presence | <b>Documenting scientific research</b>                                                  |  | 2 | tenth      |
|  | My presence | <b>Statistical methods and use of computers</b>                                         |  | 2 | eleventh   |
|  | My presence | <b>Research components and structure</b>                                                |  | 2 | twelfth    |
|  | My presence | <b>Scientific research evaluation criteria</b>                                          |  | 2 | thirteenth |
|  | My presence | <b>Planning and implementation standards</b><br><b>Research and analysis of results</b> |  | 2 | fourteenth |
|  | My presence | <b>List of resources</b>                                                                |  | 2 | fifteenth  |

#### **Course Evaluation .11**

The grade is distributed over 30 exams, 10 daily, 60 assessments, and 10 semester exams.

#### **Learning and teaching resources .12**

**Dr. Mona Tawkul Al-Sayed, Scientific Research Ethics, Al-Majmaah 2013 ,University/College of Education**

Required textbooks ( methodology if any )

|  |                                                                                   |
|--|-----------------------------------------------------------------------------------|
|  | Back to main page ( Resources )                                                   |
|  | Recommended books and supporting references ( scientific journals, reports, etc.) |
|  | Electronic reference , websites                                                   |

