

## Natural resource economics course description

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|--|----|
| : Course Name  | .1 |
| <b>Economics and natural Resources</b>   |    |
| : Course Code  | .2 |
| ECER357  |    |
| Semester / Year : Annual   | .3 |
| Second semester/third stage/ 2023-2024   |    |
| Date this description was prepared   | .4 |
| 2024/2/1   |    |
| : Available forms of attendance  | .5 |
| My presence  |    |
| :Number of study hours (total)/number of units (total)   | .6 |
| units 3      3 /Theoretical hour   |    |
| Name of the course administrator (if more than one name is mentioned)  | .7 |
| Agha -M . Dr. Uqba Muhammad Nouri Al   |    |
| Course objectives  | .8 |
| <ul style="list-style-type: none"> <li>• Teaching the student all the basic concepts related to natural economic resources</li> <li>• Teach the student how to determine price It is appropriate for every economic resource in the local and global markets, because the price expresses the cost of obtaining the natural economic resource, and the price also expresses the extent of the scarcity of the natural economic resource and achieving optimal exploitation of each economic resource. In order to preserve economic resources, and how to sustain them in a way that achieves the greatest possible level of well-being for the . current generation and future generations</li> </ul> |    |
| Teaching and learning strategies   | .9 |
| Interactive lecture  | -  |
| Brainstorming  | -  |
| Dialogue and discussion  | -  |
| Practical exercises  | -  |
| Self- education  | -  |

Course structure .10

| Evaluation method                    | Learning method  | Name of the unit or topic  | Required learning outcomes   | hours         | the week |
|--------------------------------------|--|--|--|---------------|----------|
| Semester exam 1, final exam          | Interactive lecture, brainstorming, dialogue and discussion, self-learning | What are natural economic resources, what are their characteristics, and what is the science of natural resource economics and what is it concerned with                         | Learn about the concept of economic resources :A1 Possesses practical and mental knowledge and :B1 concepts that help in understanding economic concepts | 3 Theoretical | 1        |
| Semester exam 1, final exam          | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Division and classification of natural economic resources  | Defines the types of economic resources and :A2 .their divisions   | 3 Theoretical | 2        |
| Semester exam 1, final exam          | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Reasons for interest in natural economic .resources in general   | The student learns about the reasons for :A2 interest in economic resources in general   | 3 Theoretical | 3        |
| Semester test 1, final test , report | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Reasons for interest in natural economic resources at the present time   | The student learns about the reasons for :A2 .interest in economic resources at the present time   | 3 Theoretical | 4        |
| Semester test 1, final test , report | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Measures of the relative scarcity of economic resources (measures of physical ) scarcity, measures of (economic scarcity   | The student learns the most important :C1 .measures of scarcity of economic resources  | 3 Theoretical | 5        |
| Short test, final test               | Interactive lecture, brainstorming, dialogue and discussion, self-learning | How to maintain the true value of the profit generated from the economic .resource over time   | The student learns how to calculate the real :A2 .value of an economic resource  | 3 Theoretical | 6        |
| Semester exam 2, final exam          | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Factors affecting the demand for economic resources  | Learns what factors can affect the demand for an C2 economic resource  | 3 Theoretical | 7        |
| Semester exam 2, final exam          | Interactive lecture, brainstorming, dialogue and discussion, self-learning | Presentation of natural economic .resources<br>Some concepts - 1 related to the presentation of .economic resources<br>Factors affecting - 2 the supply of the economic resource | The student learns what factors affect the :A3 supply of an economic resource  | 3 Theoretical | 8        |
| Semester exam 2,                     | Interactive lecture, brainstorming, dialogue                               | The difference between the private   | The student learns the difference between the :A4 supply curve of society and the private investor for   | 3 Theore      | 9        |



|                        |  |  |   |               |    |
|------------------------|--|--|---|---------------|----|
| final exam             | and discussion, self-learning  | investor's supply curve and the society's supply curve for an economic resource  | an economic resource  | tical         |    |
| Semester test2         | Interactive lecture, brainstorming, dialogue and discussion, self-learning | A comparison between the state of perfect competition and the state of monopoly<br>The price of the - 1 economic resource over time<br>Quantities - 2 extracted from the economic resource over time | The student studies the comparison between :A2 the state of perfect competition and the state of monopoly in terms of prices and quantities .extracted from the economic resource | 3 Theoretical | 10 |
| Final test             | Interactive lecture, brainstorming, dialogue and discussion, self-learning | How to determine the price of a non-renewable economic resource (oil, for example) in global markets   | Determines how to determine the price of a :A2 non-renewable resource in global markets   | 3 Theoretical | 11 |
| Final test             | Interactive lecture, brainstorming, dialogue and discussion, self-learning | economic functions   | Learn about the types of production functions :A2   | 3 Theoretical | 12 |
| Final test             | Interactive lecture, brainstorming, dialogue and discussion, self-learning | How to determine the prices of some renewable economic resources (some agricultural commodity prices) in local markets (spider (balance  | Determines how to determine the price of a . :A2 non-renewable resource in the markets Local  | 3 Theoretical | 13 |
| Short test, final test | Interactive lecture, brainstorming, dialogue and discussion, self-learning | How to allocate the economic resource, work, for example. .between industries  | The student learns how to allocate an economic A1 resource between industries   | 3 Theoretical | 14 |

|                        |  |                |  |               |    |
|------------------------|--|----------------|--|---------------|----|
| Short test, final test | Interactive lecture, brainstorming, dialogue and discussion, self-learning | General Review |  | 3 Theoretical | 15 |
|------------------------|--|----------------|--|---------------|----|

| Course evaluation .11 |       |                      |                     |   |
|-----------------------|-------|----------------------|---------------------|---|
| Relative % weight     | Class | Calendar date (week) | Calendar methods    | T |
| 2.5                   | 2.5   | fourth week          | Report 1            | 1 |
| 2.5                   | 2.5   | The fifth week       | Report 2            | 2 |
| 2                     | 2     | sixth week           | Quiz Short test )1( | 3 |
| 2                     | 2     | The fourteenth week  | Quiz Short test )2( | 4 |

|      |      |                                  |                               |    |
|------|------|----------------------------------|-------------------------------|----|
| 1    | 1    | The fifteenth week               | Quiz Short test )3(           | 5  |
| 7.5  | 7.5  | the sixth week                   | Semester test )1(             | 6  |
| 7.5  | 7.5  | The eleventh week is difficult   | Semester test )2(             | 7  |
| 40   | 40   | Final semester exams             | Final theoretical test        | 8  |
| 5    | 5    | The fifteenth week               | Scientific discussion         | 9  |
| 2    | 2    | The third and fifth week         | My evaluation                 | 10 |
| 1    | 1    | The first week                   | Quiz Practical short test )1( | 11 |
| 0.5  | 0.5  | fourth week                      | Quiz Short practical test )2( | 12 |
| 1    | 1    | The fourteenth week              | Quiz Short practical test )3( | 13 |
| 5.5  | 5.5  | Weeks 6, 8, 9, 10, 11, 12 and 13 | Live drawings and homework    | 14 |
| 20   | 20   | Final semester exams             | Final practical test          | 15 |
| %100 | %100 | 100                              | the total                     |    |

### Learning and teaching resources .12

|  |   |
|--|---|
|  | Required textbooks (methodology, if any)                                      |
| Book on Economics of Natural Resources and the Environment / - 1 -<br>Dr. Hamid Muhammad Abdullah<br>Book on Economics of Natural Resources and the - 2 -<br>Environment / Dr. Hamad bin Mohammed Al Sheikh<br>Economics of resources and the environment / Dr. Iman Attia Jassem -3 - | Main references (sources)   |
| nothing  | Recommended supporting books and references (scientific journals, (...reports |
| nothing  | Electronic references, Internet sites   |

**Theoretical subject lecturer:**  
Dr. Aqba Muhammed Nori Agha

**Chairman of the Scientific Committee:**  
Dr. Abdul Qader Abash sbak

**Head of the Department of Soil Science and Water Resources:**  
Dr. Ammar Younis Kashmoula

