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## MODULE DESCRIPTOR

### Module Title

Renewable Energy Issues

|           |                |             |         |
|-----------|----------------|-------------|---------|
| Reference | BSM109         | Version     | 9       |
| Created   | March 2021     | SCQF Level  | SCQF 11 |
| Approved  | September 2018 | SCQF Points | 15      |
| Amended   | September 2021 | ECTS Points | 7.5     |

### Aims of Module

To develop the student's knowledge and critical understanding of renewable energy issues, and explore the sustainable development of energy by examining a variety of environmental issues.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Critically analyse what is meant by renewable energy and the main issues associated with it.
- 2 Articulate the highlights of the key significance of the Brundtland Commission as the first internationally acceptable definition of sustainable development.
- 3 Critically discuss the role of legislative process in changing and enforcing standards in renewable energy usage.
- 4 Evaluate critically various types of renewable energy and its corresponding legal ramifications.

### Indicative Module Content

Introduction to renewable energies; its role in sustainable development; the corresponding legislation, regulations, protocols and treaties; the implementation and enforcement of the aforementioned

### Module Delivery

Lectures, seminars, assigned reading, case studies, group activities, directed reading/research and a coursework assignment

### Indicative Student Workload

|  | Full Time | Part Time |
|--|-----------|-----------|
| Contact Hours  | 36        | 36        |
| Non-Contact Hours  | 114       | 114       |
| Placement/Work-Based Learning Experience [Notional] Hours                    | N/A       | N/A       |
| TOTAL  | 150       | 150       |
| <i>Actual Placement hours for professional, statutory or regulatory body</i> |           |           |

**ASSESSMENT PLAN**

If a major/minor model is used and box is ticked, % weightings below are indicative only.

**Component 1**

|              |   |            |     |                    |            |
|--------------|---|------------|-----|--------------------|------------|
| Type:        | Coursework  | Weighting: | 30% | Outcomes Assessed: | 1, 2, 3, 4 |
| Description: | Distance Learning: Forum postings (Weighting: 30%). Forum postings are assessed according to five criteria - frequency, follow-up, content contribution, references and clarity. On Campus: One coursework essay (Weighting: 30%) |            |     |                    |            |

**Component 2**

|              |                                       |            |     |                    |            |
|--------------|---------------------------------------|------------|-----|--------------------|------------|
| Type:        | Coursework                            | Weighting: | 70% | Outcomes Assessed: | 1, 2, 3, 4 |
| Description: | One coursework essay (Weighting: 70%) |            |     |                    |            |

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

The calculation of the overall grade for this module is based on 30% weighting of C1 (horizontal axis) and 70% weighting of C2 (vertical axis) components. An overall minimum grade D is required to pass the module.

|             |    | Coursework:  |   |   |   |   |   |    |
|-------------|----|--|---|---|---|---|---|----|
|             |    | A  | B | C | D | E | F | NS |
| Coursework: | A  | A  | A | B | B | B | E |    |
|             | B  | B  | B | B | C | C | E |    |
|             | C  | B  | C | C | C | D | E |    |
|             | D  | C  | C | D | D | D | E |    |
|             | E  | D  | D | D | E | E | E |    |
|             | F  | E  | E | E | E | F | F |    |
|             | NS | Non-submission of work by published deadline or non-attendance for examination |   |   |   |   |   |    |

**Module Requirements**

|                          |       |
|--------------------------|-------|
| Prerequisites for Module | None. |
| Corequisites for module  | None. |
| Precluded Modules        | None. |

**INDICATIVE BIBLIOGRAPHY**

- 1 CROSSLEY, P., 2019. "Renewable energy law: an international assessment" New York: Cambridge University Press.
- 2 ELLIOT, D., 2019. "Renewable Energy in the UK: past, present and future" Cham, Switzerland: Palgrave Macmillan.
- 3 EVERETT, B., PEAKE, S., WARREN, J.P., 2021. "Energy systems and sustainability: power for a sustainable future" 3rd edition. Oxford: Oxford University Press.
- 4 TWIDELL, J., 2022. "Renewable energy resources". 4th edition. London: Routledge.