**BIO471 BIOFUELS Schedule**

|  |  |
| --- | --- |
| 1. **WEEK**
 | Energy consumption in today's world, an overview of energy production from petrochemical and renewable sources, energy terminology |
| 1. **WEEK**
 | Biofuel production, classification and history |
| 1. **WEEK**
 | Microorganisms used in bioethanol production |
| 1. **WEEK**
 | Raw materials used in bioethanol production |
| 1. **WEEK**
 | Fermentation |
| 1. **WEEK**
 | Biobutanol production |
| 1. **WEEK**
 | Raw materials used in biodiesel production |
| 1. **WEEK**
 | Raw materials used in biodiesel production II |
| 1. **WEEK**
 | Microbial lipids for biodiesel production |
| 1. **WEEK**
 | Chemical modifications applied to triacylglycerols |
| 1. **WEEK**
 | Transesterification |
| 1. **WEEK**
 | Biological hydrogen production |
| 1. **WEEK**
 | Methane production |
| 1. **WEEK**
 | Microbial fuel cell, future prospects for biofuel production |