

**CLASS WISE LECTURE OUTLINE**  
**AQUACULTURE POLICY PLANNING**

**AQC-504 (1+1) MFSc**

**THEORY**

| SI NO: | TOPIC                                                                           | No of lecture |
|--------|---------------------------------------------------------------------------------|---------------|
| 1      | Environment and socio economic issues realting to susatinibility in aquaculture | 1             |
| 2      | Introduction to Exotic species its introduction problems associated             | 1             |
| 3      | Climate change and Aquaculture                                                  | 1             |
| 4      | Carbon sequestration in Aquaculture                                             | 1             |
| 5      | Micro plastics in Aquaculture                                                   | 1             |
| 6      | Green house gases emissions and Aquaculture                                     | 1             |
| 7      | Biosecurity in Aquaculture                                                      | 1             |
| 8.     | Organic farming                                                                 | 1             |
| 9      | Bioremediation in Aquaculture                                                   | 1             |
| 10     | Application of renewable energy in Aquaculture                                  | 1             |
| 11     | Seed certification in Aquaculture                                               | 1             |
| 12     | Use of Antibiotics in Aquaculture                                               | 1             |
| 13     | Coastal Aquaculture guidelines                                                  | 1             |
| 14     | FAO code of conduct for responsible fisheries                                   | 1             |
| 15     | Holmenskollen Guidelines for sustainable Aquaculture                            | 1             |
| 16     | Best Management Practices                                                       | 1             |
| 17     | CAA and its role                                                                | 1             |
| 18     | Organic Certification                                                           | 1             |
| 19     | State water body protection guidelines                                          | 1             |

**PRACTICALS**

| SI NO: | TOPIC                                               | No of lecture |
|--------|-----------------------------------------------------|---------------|
| 1      | Survey on environmental impact on aquaculture farms | 2             |
| 2      | Remote sensing and GIS mapping                      | 2             |
| 3      | Estimation of water quality parameters              | 4             |
| 4      | Economic evaluation of aquaculture practices        | 2             |

**Course Teacher: Dr.Abhiman**