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|  | <p style="text-align: center;"><b>MAHATMA GANDHI UNIVERSITY</b><br/>Kottayam, Kerala</p> <p style="text-align: center;"><b>Undergraduate Programmes (HONOURS)</b><br/><b>2024 Admission Onwards</b></p> |
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| SYLLABUS                      |  |                |          |           |        |                    |
|-------------------------------|--|----------------|----------|-----------|--------|--------------------|
| SIGNATURE COURSE              |  |                |          |           |        |                    |
| <b>Name of the College</b>    | Al- Ameen College, Edathala  |                |          |           |        |                    |
| <b>Faculty/ Discipline</b>    | Tourism and Travel Management  |                |          |           |        |                    |
| <b>Programme</b>              | BTTM (Hons)  |                |          |           |        |                    |
| <b>Course Coordinator</b>     | Jiss Theres  |                |          |           |        |                    |
| <b>Contributors</b>           | Mesh Manoharan   |                |          |           |        |                    |
| <b>Course Name</b>            | Adventure Water Sports: Techniques, Safety, and Environmental Practice   |                |          |           |        |                    |
| <b>Type of Course</b>         | VAC  |                |          |           |        |                    |
| <b>Specialization title</b>   | This Signature Course does not have a specialization.  |                |          |           |        |                    |
| <b>Course Code</b>            | MG4VACTTMA00   |                |          |           |        |                    |
| <b>Course Level</b>           | 200  |                |          |           |        |                    |
| <b>Course Summary</b>         | This signature course offers a comprehensive foundation in adventure water sports, blending theoretical concepts with practical experience. Students explore the history, types, and opportunities in water sports, understand human adaptability in high-adrenaline environments, and engage with national and international safety standards. The course integrates meteorology and oceanography to enhance safety and operational planning. It emphasizes equipment maintenance and promotes environmental responsibility through sustainable practices. Through field visits and hands-on training, learners are prepared for professional and responsible engagement in the adventure tourism industry. |                |          |           |        |                    |
| <b>Semester</b>               | 4  | <b>Credits</b> |          |           | 3      | <b>Total Hours</b> |
| <b>Course Details</b>         | <b>Learning Approach</b>   | Lecture        | Tutorial | Practical | Others |                    |
|                               |  | 3              | 0        | 0         | 0      | 45                 |
| <b>Pre-requisites, if any</b> |  |                |          |           |        |                    |

#### Course Outcomes (CO)

| Number of COs |   |  |  | 6                  |                               |
|---------------|---|--|--|--------------------|-------------------------------|
| CO No.        | Expected Course Outcome   |  |  | Learning Domains * | PO No                         |
| 1             | Gain Foundational Knowledge of Adventure Water Sports Acquire a broad understanding of the origin, evolution, and classification of adventure water sports, enabling students to connect theory with real-world recreational and tourism trends.                                    |  |  | U                  | PO1, PO2, PO3, PO6, PO7, PO10 |
| 2             | Enhance Physical and Mental Preparedness for High-Performance Activities Understand how the human body and mind respond to high-adrenaline environments by exploring concepts like G-force and core strength—skills crucial for safe participation and instruction in water sports. |  |  | U                  | PO1, PO2, PO3, PO6, PO7, PO10 |
| 3             | Familiarize with Industry Safety Standards and Ethical Guidelines Learn and apply national and international safety regulations and ethical responsibilities, preparing students for professional roles in regulated adventure tourism environments.                                |  |  | U                  | PO1, PO2, PO3, PO6, PO7, PO10 |

| Number of COs |  | 6                  |                               |
|---------------|--|--------------------|-------------------------------|
| CO No.        | Expected Course Outcome  | Learning Domains * | PO No                         |
| 4             | Build Practical Skills in Emergency Preparedness and Client Care Develop hands-on competence in emergency response planning and duty of care, equipping learners to manage real-life situations confidently and responsibly.                                 | AN                 | PO1, PO2, PO3, PO6, PO7, PO10 |
| 5             | Interpret Environmental Conditions for Safe Water Sport Operation Apply meteorological and oceanographic knowledge to evaluate weather and marine data, ensuring optimal planning and risk assessment for water-based adventure activities.                  | A                  | PO1, PO2, PO3, PO6, PO7, PO10 |
| 6             | Master Basic Equipment Handling and Promote Sustainability Gain practical training in the maintenance of motorized and non-motorized water sports equipment while fostering a strong commitment to eco-friendly and sustainable adventure tourism practices. | A                  | PO1, PO2, PO3, PO6, PO7, PO10 |

\*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)

### CO-PO Articulation Matrix

| CO/PO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 |
|-------|------|------|------|------|------|------|------|------|------|-------|
| CO 1  | 3    | 3    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |
| CO 2  | 3    | 3    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |
| CO 3  | 3    | 3    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |
| CO 4  | 3    | 2    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |
| CO 5  | 3    | 3    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |
| CO 6  | 3    | 3    | 3    | -    | -    | 3    | 3    | -    | -    | 3     |

'0' is No Correlation, '1' is Slight Correlation (Low level), '2' is Moderate Correlation (Medium level) and '3' is Substantial Correlation (High level).

### Course Content

Content for Classroom transaction (Units)

| Module | Units | Course Description   | Hrs | CO No. |
|--------|-------|--|-----|--------|
| 1      |       | Introduction to water sports   |     |        |
|        | 1.1   | History of Adventure<br>How adventure connected to daily life.<br>Water and Human        | 3   | ["1"]  |
|        | 1.2   | Opportunities of adventure water sports<br>Adventure sports and extreme adventure sports | 4   | ["1"]  |
|        | 1.3   | Different types of Adventure water sports<br>Skilled & non - skill-based water sports    | 10  | ["1"]  |

| Module | Units                        | Course Description   | Hrs | CO No. |
|--------|------------------------------|--|-----|--------|
| 2      | Adaptivity and limitation:   |  |     |        |
|        | 2.1                          | G - force (Gravity Force) and human body<br>Inner core strength - Mastering of Adrenal races   | 3   | ["2"]  |
|        | 2.2                          | Regulations / Control measures of adventure water sports:<br>• Olympics Committee,<br>• Royal yoting association US],<br>• 3 letter B (German)<br>• WIRC Diving Regulatory body<br>• National institute of water sports (NIWS - India)<br>• KATTC Kerala Adventure Tourism | 4   | ["3"]  |
|        | 2.3                          | Duty of care   | 3   | ["4"]  |
|        | 2.4                          | Planning: Pan A & B - emergency response   | 5   | ["4"]  |
| 3      | Meteorology and Oceanography |  |     |        |
|        | 3.1                          | Meteorology : Wind Formation<br>Pressure Systems<br>• High-pressure systems:<br>• Low-pressure systems:<br>Weather Fronts, Warm fronts, Cold fronts, Occlusions, Climate Zones, Weather Forecasts, Beaufort Scale  | 4   | ["5"]  |
|        | 3.2                          | Oceanography: Importance of Oceanography for water based adventure activity, Currents, Tides and Wave Formation, Local Hazards   | 4   | ["5"]  |
|        | 3.3                          | Maintance<br>Motorised and non-motorized   | 5   | ["6"]  |

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| <b>Teaching and Learning Approach</b> | <b>Classroom Procedure (Mode of transaction)</b><br>Module 1: Classroom learning- Lecturing and Discussion, hands own experiential learning in sea shore<br>Module 2: Classroom learning with in class discussions<br>Module 3: Classroom learning - Lecturing and analysis, hands own experiential learning in sea shore |
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| <b>Assessment Types</b> | <b>MODE OF ASSESSMENT</b><br>Mode of Assessment: Theory   |
|                         | <b>A. Continuous Comprehensive Assessment (CCA)</b><br>• <b>Theory - 25 Marks</b><br>Formative Assessment: Quiz Home Assignments Group tutorial work Self and peer<br>Assessments Summative Assessment: Internal Examination  |
|                         | <b>B. End Semester Evaluation (ESE)</b><br>• <b>Theory - 50 Marks</b><br>Assessment Methods - Written Examination<br>Duration of Examination - 1.50 Hrs<br>Pattern of examination for Theory - Non-MCQ<br>Different parts of written examination - Part - A , B , C<br>Answer Type:<br>◦ PART - A<br>◦ One or two Sentences - (5 out of 8 ) - 5 × 2 = 10<br>◦ PART - B<br>◦ Short Essays - (5 out of 8 ) - 5 × 5 = 25<br>◦ PART - C<br>◦ Essays - (1 out of 3 ) - 1 × 15 = 15 |

## References

- 1 Swarbrooke, John, et al. Adventure Tourism: The New Frontier. Routledge, 2003.
- 2 Hudson, Simon. Sport and Adventure Tourism. Haworth Hospitality Press, 2003.
- 3 Buckley, Ralf. Adventure Tourism Management. Routledge, 2010.
- 4 Davis, Richard A. Oceanography: An Introduction to the Marine Environment. Wm. C. Brown Publishers, 1992.
- 5 Lally, Kevin. Rescue Diving Manual: A Comprehensive Guide for Safety and Emergency Procedures in Diving. Aqua Quest Publications, 2001.
- 6 Houghton, John. The Physics of Atmospheres. Cambridge University Press, 2002.
- 7 Hall, C. Michael, and Stephen Page, editors. The Geography of Tourism and Recreation: Environment, Place and Space. Routledge, 2006.
- 8 The Royal Yachting Association. RYA Weather Handbook (G133). 3rd ed., Royal Yachting Association, 2013.
- 9 Garrison, Tom, and Robert Ellis. Oceanography: An Invitation to Marine Science. 9th ed., Cengage Learning, 2018.
- 10 Jolliffe, Lee. Tourism Experiences and the Management of Adventure. Channel View Publications, 2010.

## Affidavit

- We, Al- Ameen College, Edathala and Jiss Theres, agree to permit the use of our proposed course syllabus by other faculty members within the same discipline for course delivery at their respective institutions.
- We, Al- Ameen College, Edathala, agree to appoint a new course coordinator for the proposed Adventure Water Sports: Techniques, Safety, and Environmental Practice in the event of the unavailability of the currently nominated coordinator. This appointment will ensure the continued coordination of course delivery, assessments, and all related academic responsibilities necessary for the successful implementation of the signature course, for as long as the college offers this programme.
- We, Al- Ameen College, Edathala and Jiss Theres, declare that no part of this signature course submitted here for approval has been taken from the course content developed by, or from any of the course titles prepared by, the BoS/expert committee in the same discipline under our University.



**MGU-UGP (HONOURS)**

**Syllabus**