The content in this programme guidebook is true in time of printing. The School of Fisheries and Aquaculture Sciences has the right to alter the content of any section in this book without prior notice.
PHILOSOHY

Knowledge and practice based on the faith to God is the pillar of the university, providing competent human capital for the benefit of mankind

VISION

A marine-focused university, reputed nationally and respected globally

MISSION

Generating knowledge for the prosperity of the community and world sustainability

SLOGAN

Ocean of discoveries, global sustainability
For further inquiries of Master of Science in Sustainable Tropical Fisheries (Coursework), please contact:

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Phone: 09-668 4532/ 4219  
Fax: 09-668 4143
# ACADEMIC CALENDAR

**MASTER OF SCIENCE IN SUSTAINABLE TROPICAL FISHERIES PROGRAMME BY COURSEWORK**

## SEMESTER I 2015/2016

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<tr>
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<th>DATE</th>
<th>DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>September 7, 2015</td>
<td>September 13, 2015</td>
</tr>
<tr>
<td>Deferment of Registration</td>
<td>September 7, 2015</td>
<td>October 6, 2015</td>
</tr>
<tr>
<td>Lectures</td>
<td>September 14, 2015</td>
<td>November 7, 2015</td>
</tr>
<tr>
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<td>November 8, 2015</td>
<td>November 14, 2015</td>
</tr>
<tr>
<td>Lectures</td>
<td>November 15, 2015</td>
<td>December 26, 2015</td>
</tr>
<tr>
<td>Study Week</td>
<td>December 27, 2015</td>
<td>January 2, 2016</td>
</tr>
<tr>
<td>Examination</td>
<td>January 3, 2016</td>
<td>January 16, 2016</td>
</tr>
<tr>
<td>Semester Break</td>
<td>January 17, 2016</td>
<td>February 13, 2016</td>
</tr>
<tr>
<td>Result Announcement</td>
<td>February 7, 2016</td>
<td>February 7, 2016</td>
</tr>
<tr>
<td>Appeal Against Result</td>
<td>February 7, 2016</td>
<td>February 14, 2016</td>
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## SEMESTER II 2015/2016

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<tr>
<td>Deferment of Registration</td>
<td>February 15, 2016</td>
<td>March 14, 2016</td>
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<td>Lectures</td>
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<td>April 3, 2016</td>
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<td>Lectures</td>
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<td>June 4, 2016</td>
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<td>Study Week</td>
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<td>June 11, 2016</td>
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<tr>
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<td>June 12, 2016</td>
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<tr>
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</tr>
<tr>
<td>Appeal Against Result</td>
<td>August 28, 2016</td>
<td>September 4, 2016</td>
</tr>
</tbody>
</table>

**REMINDER:** A student may apply for deferment of study not later than one (1) month of every semester.
It is a great pleasure to welcome you to the School of Fisheries and Aquaculture Sciences, a place where a conducive and hands-on learning environment will be of help to your future success. Our school has a strong track record of undergraduate teaching and an ever growing reputation for discovery, innovation and research excellence. We have developed and deliver programmes and courses which provide knowledge and experiences that serve as a strong foundation for our students. Thus allowing them, as alumni, to take their place in this changing world where they are providing solutions for the present and benefits for the future of our community and overall quality of life. Currently we are the only School in UMT that offers academic programmes at all levels starting from Diploma to PhD. We offer programmes such as Diploma in Fisheries, Bachelor degrees in Fisheries Science, and in Aquaculture, a Master of Aquaculture by coursework as well as various disciplines of research programmes related to fisheries and aquaculture at Master and Ph.D levels.

Over the last 12 months we have been working hard to offer a new postgraduate programme in fisheries science. As we went our way, we were invited to join a unified international network programme, the Postgraduate Programme (Master) on Tropical Fisheries with International Linkage. This programme was originally amalgamated by four universities, the Sam Ratulangi University (Indonesia), Kagoshima University (Japan), University of Philippines Visayas (the Philippines) and Kasetsart University (Thailand). The invitation showed that our existence and our strength in the fisheries sciences are recognised in this region. After went through daunting processes, we eventually came up with our own new programme – Master of Science in Sustainable Tropical Fisheries that was developed to fulfil the requirements to join this international linkage programme.

As well as to take part the courses in a usual mode in UMT, this unified international linkage programme also provide an opportunity to selected local students to study abroad for a short period of time in any universities involved in this programme. Likewise, our school will also welcome a number of international students who opt to take our courses.

This unique programme earmarked UMT as an iconic higher learning institution that engages in global education. The blending of local students and International students may bring an international perspective to the academic activities as well as help in internationalising our educational environments which lead to the improvement in many aspects such as academic quality and university services. The international flair and influence of this programme will also produce knowledgeable, experienced and dynamic graduates which will subsequently help to foster fisheries sector in Malaysia.

Last but never the least, I would like to congratulate all of you for being this programme’s pioneer students. I hope that, with the presence of highly talented and dedicated educators in our School will help you achieve to your full potential and be fulfilled in all that you do. I wish you all the best and a great success at the end of your journey here. Thank you.

Prof. Dr. Mazlan Abd. Ghaffar
Dean
School of Fisheries and Aquaculture Sciences
Universiti Malaysia Terengganu
7 September 2015
### CONTENTS

**BACKGROUND OF SCHOOL OF FISHERIES AND AQUACULTURE SCIENCES**
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- The Objectives of School

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- Administration
BACKGROUND

SCHOOL OF FISHERIES AND AQUACULTURE SCIENCES

Introduction

School of Fisheries and Aquaculture Sciences was established on December 1, 2013, in line with the academic transformation of the Universiti Malaysia Terengganu. The academic programmes are designed towards producing skilled personnel in the field of fisheries and aquaculture to meet the needs of the industry.

Programmes offered

The school offers various levels of fisheries and aquaculture programmes which combine science, technology, management and entrepreneurship that will produce globally competitive graduates. All of the programmes are accredited by the MQA and the contents are revised periodically according to the needs of the industry.

The programmes are as follows:

1. Undergraduate Programmes
   a) Diploma in Fisheries
   b) Bachelor of Applied Sciences (Fisheries)
   c) Bachelor of Agrotechnology Sciences (Aquaculture)

2. Postgraduate Programmes
   a) By Coursework
      i. Master of Science in Aquaculture
      ii. Master of Science in Sustainable Tropical Fisheries
   b) By Research
      i. Master of Science
      ii. Doctor of Philosophy

Offering programmes in the field of fisheries and aquaculture is a pragmatic step towards upgrading the level and quality of fisheries and aquaculture industry in Malaysia. The School aims to develop trained manpower in the field of fisheries and aquaculture, that are competitive, have high self-esteem and virtuous to meet the needs of the workforce.

The School will be able to play its role in the aspect of mastery of various knowledge and skills in applied science and agrotechnology, teaching and learning, through approaches, methods and recent findings in line with government policy and the aspirations of the people.

The School of Fisheries and Aquaculture Sciences is located on the campus of Universiti Malaysia Terengganu in Mengabang Telipot, 25 km from Kuala Terengganu and 10 km from Sultan Mahmud Airport.

Objectives

1. To bring together expertise in the field of fisheries and aquaculture sciences under one organisation and providing the best opportunity for network integration and consolidation;
2. To offer the quality programmes to meet current and future needs in the field of fisheries and aquaculture science;
3. To explore the knowledge in relevant fields through fundamental and exploratory research;
4. To provide the latest facilities to support the development of knowledge, education and academics; and
5. To produce graduates who are knowledgeable, confident and competent in fisheries and aquaculture field.
# 1.0 Administration of School of Fisheries and Aquaculture Sciences

<table>
<thead>
<tr>
<th>Position</th>
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<tbody>
<tr>
<td>Dean</td>
<td>Prof. Dr. Mazlan Abd. Ghaffar</td>
</tr>
<tr>
<td>Deputy Dean, Academic &amp; Students</td>
<td>Prof. Dr. Abol Munafi Bin Ambok Bolong</td>
</tr>
<tr>
<td>Deputy Dean, Talent &amp; Research</td>
<td>Prof. Dr. Najiah Binti Musa @ Zakaria</td>
</tr>
<tr>
<td>Head of Programme, Master of Science in Aquaculture (Coursework)</td>
<td>Prof. Dr. Abol Munafi Bin Ambok Bolong</td>
</tr>
<tr>
<td>Head of Programme, Bachelor of Agrotechnology Sciences (Aquaculture)</td>
<td>Dr. Shahreza Bin Md. Sheriff</td>
</tr>
<tr>
<td>Head of Programme, Bachelor of Applied Sciences (Fisheries)</td>
<td>Prof. Madya Dr. Hii Yii Siang</td>
</tr>
<tr>
<td>Head of Programme, Diploma in Fisheries</td>
<td>Dr. Nur Asma Binti Ariffin</td>
</tr>
<tr>
<td>Head of Administration</td>
<td>Mr. Zul-atfi Bin Hashim</td>
</tr>
</tbody>
</table>
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3.0 LABORATORY MANAGEMENT

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4.0 ACADEMIC SYSTEM

4.1 Semester System
The 2015/2016 academic session at UMT starts from September 7, 2015 to September 4, 2016 for Master of Science in Sustainable Tropical Fisheries.

Every academic year consists of two (2) semesters, Semester I and II where each of them consists of 17 weeks (14 weeks of lectures and 3 weeks of examinations).

4.2 Credit Hours
For all courses, an hour lecture in a week will be rated as one credit hour. Practical classes which usually require 3 hours per week in the laboratory or field are also rated as one credit hour. The following are the description of different credit hours:

   i. 2 hours of lecture per week (2+0) or
   ii. 6 hours of practical per week (0+6) or
   iii. 2 hours of lecture + 3 hours of practical per week (2+1) or
   iv. 3 hours of lecture per week (3+0)

4.3 Credit hour requirements for graduation for Master of Sciences in Aquaculture Programme
The minimum credit hours required for graduation for Master of Science in Aquaculture programme is 40 (credit hours).

4.4 Curriculum
The curriculum is the core of a learning programme. Student who passes all core courses in the curriculum is allowed to graduate provided they fulfill the required credit hours.

Student who failed any core courses and unable to repeat the course within the study programme, is required to repeat the particular course in the extended semester without taking consideration the minimum credit hours per semester.

4.5 Programme Scheme
The programme scheme is important and has been aligned with the educational goals of the university. Details of the programme scheme for the programme can be referred at the respective page.

4.6 Course Selection
Each programme has two components:

i. Programme Core Courses
The programme core courses are the courses offered based on the needs of the programme. These courses develop the students’ expertise in the field of study. It is compulsory for the students to take this course and they must pass these courses with a minimum grade of B. Shall they fail, they have to repeat the respective course.

ii. Elective
Elective courses are courses to be chosen by students from any school based on their interest and their potential. Students are required to take minimum 6 credit hours as listed in the programme scheme. Elective courses will be graded and their credit hours will also be taken into account.
4.7 Others

i. Fees/Debt

Students who still owe or do not have a financial guarantor are not allowed to register.

ii. Information Update

Students are responsible to update their personal information from time to time and inform the School for record purposes.
5.0 MASTER OF SCIENCE IN SUSTAINABLE TROPICAL FISHERIES

5.1 Admission Requirement

5. Bachelor’s degree in related field with a minimum CGPA of 2.75 or equivalent from UMT or any other higher institution recognized by the Senate; or

6. Any other equivalent academic qualification and possesses evidence of adequate related research or work experience recognized by the Senate

7. Demonstrate competency in English, satisfactory to the requirements of the university

5.2 List of Courses

Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
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<td>SP6012</td>
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<td>SP6022</td>
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<tr>
<td>SP6043</td>
<td>Project I</td>
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<tr>
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Elective Courses

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<td>Fishery Molecular Ecology</td>
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* Students are required to take at least 12 credit hours of any elective courses offered by these school or any equivalent standard courses offered by other school.
# 5.3 PROGRAMME SCHEME

## SEMESTER I

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<tr>
<th>Course Code</th>
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**Sub Total** 12

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**Sub Total** 15

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<tr>
<td>SP6066</td>
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*Elective: Choose ONE of the following:*

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<td>SP6213</td>
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<tr>
<td>SP6223</td>
<td>Fisheries Product Innovation</td>
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**Sub Total** 13

**Total** 40
5.4 COURSE SYNOPSIS

Core Courses

SP6012 : Advanced Fisheries Microbiology
Credit Hours : 2 (2+0)
The aim of this course is to highlight important role of microbes in maintenance of our aquatic ecosystems and in bearing the problems of population increase, over-exploitation of fisheries, climate change. Topics covered include the fundamental of microbiology, history of microbiology, review on the freshwater and marine microbial life, the role of aquatic microbes in the ecology and discuss the problems in fisheries such as disease, biodegradation. These topics also will cover from basic until advanced microbiological techniques such as metagenomics, metatranscriptomics and many more

SP6022 : Conservation and Management of Fishery Resources
Credit Hours : 2 (2+0)
The aim of this course is to learn on the diversity and techniques of exploitation of fisheries resources including fisheries stock assessment methods. Students also will discuss the current issues related to the local and global management and conservation of fisheries resources and the laws contained in Fisheries Act, the Malaysian Exclusive Economic Zones, the sea fisheries law related to fisheries management. Students also will be exposed to the method of protection of endangered species and sustainable harvesting. At the end of the course, students will be able to discuss the fisheries management strategies with emphasis on the integration of biological dimension, ecological, sociological and economic policy-makers involved in the uncertain environment

SP6032 : Computational Model in Fishery
Credit Hours : 2 (0+2)
This course will introduce the student to some of the advanced concepts and techniques associated with general form of statistical models. It cover linear models, non-linear models by fitting the model, using the model, assessing the model and searching for the best model, Parametric test include One-way ANOVA, Two-way ANOVA (repeated measure and independent groups), Repeated Measure ANOVA, Multiple Comparison and Categorical Data Analysis. After successfully completing this course, a graduate student should be able to construct an appropriate statistical model of most experiments, analyze experimental data, and interpret the statistical results. Students will also be taught on using SPSS, SAS and MINITAB to conduct the analyses. The course is intended as an applied statistics course with a practical exercises.

SP6072 : Survey and Monitoring System
Credit Hours : 2 (2+0)
This course provides an introduction to the current protocols and sampling designs for the fishery monitoring programmes and resource surveys. The process includes the coverage levels, selection process, fishery definitions, data collection, analysis and application and other monitoring metrics, as well as communication and data access to vessel owners and other stake holders. The tools such as remote sensing and GIS will be used to provide accurate data and information for a better resources management.

SP6082 : Fishing Gears Technology
Credit Hours : 2 (2+0)
This course offers further experience on the theory, design and application of fishing-related gears. Emphasis is placed on the design and technology of the general gears in capture fisheries as well as the onboard machineries used in operating the gears. This course also introduces the students on the navigation and instruments used in aiding fish finding. Students will also be given the practical skills in operating and repairing the gears and instruments. This course also emphasizes on the application of gears in relation to the sustainable fishery resources.

SP6092 : Current Issues in Fisheries
Credit Hours : 2 (2+0)
This course will discuss on the various issues related to coastal resource exploitation, uses and human factors. Regional and global issues on coastal and large marine ecosystem exploitation will be discussed. This course will encourage students to develop critical thinking skills through problem
based learning on discussion on given topics in global fisheries issues. Through the course of the study, students will be given several series of assignment on the related subject such as essays and term papers which leading to presentation of the finding and report submission.

**SP6102 : Regional Fishery Governance, Law and Policy**  
**Credit Hours : 2 (2+0)**  
This course gives an introduction to a systematic concept relating to the exercise of economic, political and administrative authority. This course discusses the governance on three levels, regional, national and local dimensions, with the emphasis on the local level. It includes legally binding rules, such as national policies and legislation or international treaties as well as customary social arrangement. The main content of this course focuses on the current law, policy and regulatory frameworks that connect the government with society and socio-ecological systems.

**SP6112 : Sustainable Fisheries and Community Livelihood**  
**Credit Hours : 2 (2+0)**  
This course provides an introduction to the application of the sustainable development concepts in the fishing practices for the benefit of communities who depend on the fisheries-based livelihoods. The main theoretical concepts covered in the course, i.e the sustainable development and community development frameworks as well as the anthropology of fishing and the livelihood approach, provide basis for the practical discussions on global and local sustainable fishing practices and their supporting frameworks such as community-based fisheries management and both mainstream and local codes of practice in fisheries.

**SP6043 : Project I**  
**Credit Hours : 3 (3+0)**  
This course aims to introduce students to the task of planning scientific experiments. Students will be exposed to research skills particularly of proposal writing that includes research questions, development of hypothesis and suitability of selected experimental design and creating a research plan. Students will be required to present and submit a research proposal of a selected relevant topic. At the end of the course, students will be able to develop and acquire skills to write a good research proposal.

**SP6053 : Project II**  
**Credit Hours : 3 (3+0)**  
This course aims to provide guidance in the final completion of the research paper/graduate project and to prepare students for viva voce. Students will be required to present and report the research progress and outcomes. At the end of the course, students will be able to develop research skills on critical thinking through a research project that contains a clear problem statement and produces an argument utilizing appropriate evidence.

**SP6066 : Project III**  
**Credit Hours : 6 (0+6)**  
This course aims to expose students to an independent research project under the guidance of the supervisor. This course involves the collection of literature, indexing, conducting a research project, sampling from populations, compiling data and analysis. Students will be required to present and report the research outcomes. At the end of the course, students will be able to demonstrate capability to independently conducting a scientific research on a relevant topic.
**Elective Courses Synopsis**

**SP6123 : Marine Pollution and Fisheries**  
**Credit Hours : 3 (2+1)**  
This course provides an in-depth argument on the issues of marine pollution, its impacts and the management attempts to mitigate the problem particularly from the perspective of fisheries management. Major pollution issues including; agrochemicals and agriculture, domestic waste and sewage, organic pollutants, radioactive contamination, heavy metals and trace elements, plastic, sediments and biological pollution, and their impact on the fisheries resources will be covered in the subject. The students will be introduced to various management approaches and respective challenges in the approaches. At the end of the course, students will need to review and analyses the current pollution management practices in various tropical countries in pertinent to the protection of fisheries resource from the sustainability viewpoint.

**SP6133 : Fishery Molecular Ecology**  
**Credit Hours : 3 (2+1)**  
This course aims to expose students to basic concepts and skills in sustainable management of fishery resources through molecular approaches. In this course, basic principles of ecological genetics and population genetics as well as the application of molecular markers in the ecological and evolutionary aspects of fish will be emphasized. Molecular techniques which are commonly used in fish population studies such as species identification, phylogeny, phylogeography, and conservation unit determination will also be discussed. Current issues related to threatened aquatic biodiversity and associated conservation strategies will also be discussed. Students will also be trained to conduct research in fisheries molecular ecology encompassing the process of sampling, voucher specimens preparation, data analysis and scientific report writing.

**SP6143 : Fisheries Limnology and Oceanography**  
**Credit Hours : 3 (2+1)**  
The aim of this course is to express an understanding on fisheries in freshwater and marine ecosystems. Topics covered include the roles of fish response to environmental variation, adaptation of fish by natural selection, and subsequent ecological diversification in generating fish species diversity and allowing population and community persistence. Students also will be exposed to the methods and techniques to evaluate environmental changes as well as changes in fish and other aquatic animal’s population. At the end of the course, students will be able to explain similarities and differences in the ways that fish maintain fitness and interact with other biota in both ecosystems.

**SP6153 : Sport and Game Fishing**  
**Credit Hours : 3 (2+1)**  
The aim of this course is to introduce the students to the sports fishing industries globally. Topics covered include the famous freshwater and saltwaters fish species, the fishing methods used, famous sport fishing area in the world, ethics and principles, rules and regulations and industrial importants and its related industries. The students will also gain experiences in applying sports fishing activities by field works and workshop.

**SP6163 : Coral Reef Fisheries**  
**Credit Hours : 3 (2+1)**  
This course will introduce students to the fishing practices in coral reef. The course also covers the importance of coral reef, the diversity of fishery resources and the destructive fishing gears. Students will be exposed to the concept of marine protected area and Coral Triangle Initiative – coral reef, fisheries and food security applied in our region. At the end of the course, students are able to understand the threats and impacts on coral reef fisheries and the effective approach to manage coral reef fisheries.

**SP6173 : Fisheries Bioinformatics**  
**Credit Hours : 3 (2+1)**  
This course discusses the needs and importance of bioinformatics in research and management of fisheries resources. Models and algorithms used in molecular phylogenetic analysis, prediction and functional annotation of genes and proteins will be introduced. Concepts and application of bioinformatics softwares used to analyse biological molecules data related to health, nutrition and.
reproduction of aquatic organisms will be emphasized. Bioinformatics tools in predictive ecology and their applications to fisheries such as the Bayesian networks and hidden Markov model will also be discussed. At the end of the course, students will be able to outline the applications of various bioinformatics tools in molecular phylogenetic and phylogeography analyses as well as be able to integrate models in predictive ecology for better management of fisheries resources.

**SP6183 : Habitat Replenishment Areas**  
**Credit Hours : 3 (2+1)**  
This course is designed to introduce the students with various innovative concept of replenishment of degraded fisheries habitat in the coastal waters. The course begins with lectures on various commonly practiced destructive fishing gears in the coastal waters including in the hot spot habitat such as coral reefs, seagrass and mangrove ecosystems. Then the discussion continues with mitigating measures to replenish and protecting the degraded habitats. This will include various methods of fishing habitat restoration including installation of artificial reefs, ships wrecks, and policies. Monitoring of recovery rates in the affective replenished areas will also be discussed. In addition to lectures, the student will also be given several assignments such as essays on special related topics, term papers and examination during the whole course of the study.

**SP6193 : Fisheries Post-Harvest Technology**  
**Credit Hours : 3 (2+1)**  
The course provides knowlege on process and/or activities immediately after catch, handling and transportation, processing and distribution of fish and fish products. It covers the aspects of physicochemical and biochemical changes, method of quality asessment and correct technological development for product shelf-life extension. The student will also exposed in critical thinking, lifelong learning and scientific approach skills.

**SP6203 : Biosecurity and Seafood Safety**  
**Credit Hours : 3 (2+1)**  
The aim of this course is to emphasize the importance of biosecurity and seafood safety. It is also aims to provide students to the best management concept that can be used in aquaculture with the development of an environmental friendly and sustainable sector. Topics covered include a food-chain perspective from chemical contaminants in farmed fish and potential impact on human health and also methods of improving fish health, quality and safety, as well as managing such issues. Students will also learn about good aquaculture practices (GAqP) in different aspects of best practice which includes local and global nature of aquaculture, roles of stakeholders, compliance issues in the authorization of new projects, and environmental, management and operational specifications that make up best practices around aquaculture.

**SP6213 : Fisheries Biosystems**  
**Credit Hours : 3 (2+1)**  
The course aims to introduce students to fisheries biosystems and its concept, importance and application in sustainable fisheries management. It comprise of several main topics including introduction to fisheries biosystems, component of fisheries biosystems, mechanism and function of biosystems in fisheries. The course will also look into the interaction between fish population with their biotic and abiotic environment based on the biological and molecular aspects. The integration of basic biological information with genomics, transcriptomics and metabolomics of the organisms will also be introduced. In addition, the application of the systems towards sustainable fisheries management will be discussed. At the end of this course, student should be able to analyze and outline the application of various biological systems for management of fisheries resources.

**SP6223 : Fisheries Product Innovation**  
**Credit Hours : 3 (2+1)**  
This course provides the principles of fisheries product development. It involves eight steps namely, idea generation and screening, testing the concept, business analytics, marketability test, product development, commercialization, launching and pricing of the products. Students will also be exposed to critical thinking and entrepreneurial skills prior to the development of the prototype.
### ADMINISTRATION

<table>
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<tr>
<td>1</td>
<td>Prof. Dr. Mazlan Abd. Ghaffar</td>
<td>Dean</td>
<td><a href="mailto:mag@umt.edu.my">mag@umt.edu.my</a></td>
<td>5153</td>
</tr>
<tr>
<td>2</td>
<td>Prof. Dr. Abol Munafi Ambok Bolong</td>
<td>Deputy Dean (Academic &amp; Student)</td>
<td><a href="mailto:munafi@umt.edu.my">munafi@umt.edu.my</a></td>
<td>4868</td>
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<tr>
<td>3</td>
<td>Prof. Dr. Najiah Musa</td>
<td>Deputy Dean (Talent dan Research)</td>
<td><a href="mailto:najiah@umt.edu.my">najiah@umt.edu.my</a></td>
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<td>4</td>
<td>Prof. Dr. Abol Munafi Ambok Bolong</td>
<td>Head of Programme Master of Science in Aquaculture (Coursework)</td>
<td><a href="mailto:munafi@umt.edu.my">munafi@umt.edu.my</a></td>
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<td>Dr. Shahreza Md. Sherif</td>
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<td><a href="mailto:shahreza@umt.edu.my">shahreza@umt.edu.my</a></td>
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<td>Prof. Madya Dr. Hii Yii Siang</td>
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<td>Mrs. Norizan Ismail</td>
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