Coordinator/Lecturers: Mr. Freddie Alei (Co-ordinator)

1.42373 SOCIAL AND ENVIRONMENTAL SOUNDNESS IN THE PACIFIC

Elective

Semester 1 – Year 4
3 Points

THIS COURSE IS WORTH 3 CREDIT POINTS AND IS FOR 4TH YEAR STUDENTS WHO HAVE PASSED THE COURSE 1.32371 – RESOURCE MANAGEMENT AND ENVIRONMENTAL SUSTAINABILITY

Course Objectives

The main objectives of this course are:

1. To provide an in-depth understanding of many climatic related issues on the mitigation and adaptation context, the REDD+, and guiding frameworks on sustainable development and ethics.

2. To provide knowledge on the Social and Environmental issues regarding Environmental Co-benefits, Biodiversity and Ecosystem Services, Governance, Stakeholder participation and management of the resources.

3. To enable students to acquired skills with an ability to produce a scientific report, an ability to perform numerical analysis of data and an ability to analyze contemporary climatic and Environmental variables and coastal management problems and provide meaningful solutions.

Course Outcomes

At the end of this course, the student should have an in-depth understanding of:

1. Climate Change issues and how to mitigate and adapt to this global changes and how we has Pacific Islanders can sustain ourselves.

2. Issues in regard to Environmental Co Benefits, Biodiversity and Ecosystem services which are available and can be sustained for the future generations, issues surrounding good Environmental Governance, stakeholder participation in their resources development, Social co benefits, gender equality and women empowerment, REDD+ and many other social Environmental issues

3. Strong abilities to work with local communities and the surrounding natural environment, ability to produce scientific reports, perform numerical analysis of climatic data and ability to carry out climate change awareness program to the local communities.
Course Description:

The course will provide knowledge on the issues and challenges currently faced by the Pacific Island nations on Climate Change and how the indigenous community can mitigate and adapt to these changes. The course is designed as an introductory to the challenges on how we can combat this global threat on sea level rise and how we can sustain our livelihood for the present and future generations. Apart from that, the course is also designed in a way that students can realize the importance of conservation on the native flora and fauna species and how we can benefit from this natural environment. This course intends to build on the knowledge of sustainability and management gained from the third year course – 1.32371 Resource Management and Environmental Sustainability and learn how to apply this to practical management. The course would basically look at the history of the earth, the type of factors influencing these changes, the governance and management and the various legislative frameworks that are already in place and those that need to be enacted. This course will specifically cover topics such as the management of Climate Change and guiding framework to sustainable development and ethics, stakeholder participations in REDD+ projects, Safeguard mechanisms, REDD+ and livelihood.

The concept of Social and Environmental Soundness in the Pacific (SESP) is used to highlight social and environmental justice concerns in the context of climate change mitigation and adaptation in the Pacific.

Teaching: 3 one-hour lectures, 1 three-hour practical and or fieldwork, and 1 one-hour tutorial/seminar session per week. Therefore, we will have a total of seven (7) contact hours per week for this course during the semester. Tutorial and practical/field sessions will be presented weekly during the semester as shown in your course outline. The staff assigned each week as shown in the course outline will give lectures, practicals/field work exercises and tutorials.

Assessment: Continuous assessment 50% - practical and field work exercise assignments, tutorial exercises and or seminars (20%), two tests (20%), major research/field project (10%); final examination 50%.

Lectures: Lectures are designed to discuss main themes and topics firstly on Climate Change issues, Social and Environmental issues and finally on Social Environmental Soundness and its management practices taking on an integrated approach with specific reference to PNG. At the end of each lecture you are expected to further your knowledge of each topic by reading. A list of suggested references are provided. Use the library catalogues and web sites to select and read the literature relevant to each topic.

Practs/Sems: Handouts and assignments for practicals/fieldwork will be given at the beginning of each practical class. All practical/field exercises, tutorial exercises and seminar discussions will correspond with topics covered during the lectures.

Prerequisite: 1.32371 Resources Management and Environmental Sustainability

General: Mr. Freddie Alei is located in TB 6 Room # 609. If you need assistance, see me ONLY during the consultation hours (as shown on my timetable) for each week on my door.

Attendance: In order for you to pass this course and to keep track of the progress of lectures, practicals/fieldwork, tutorials and seminars, your attendance is compulsory. For convenience, announcement would be made with regard to any issue that may unfold during the course.

Plagiarism: Plagiarism is a serious academic offence world-wide and is a punishable offence with a penalty of a ZERO Mark. You may not realize this at times but actually, it takes the form of re-writing chunks of literature from sources with no due citations of the author and sources concerned. Sometimes, in PNG schools, students share and copy each other’s work. In fact, at UPNG this is obviously defined as such and would earn you a zero mark regardless of any convincing reason you may try to give us. Do not cut and paste from the internet and modify the font size and polish up any web page mark that would in one way or the other try to confuse the lecturers. Although, as neat as it may appear, there is a missing link between what is in your head and on paper. If you are caught, then off course, a Zero Mark will be handed to you and your friend in the place of a good hard earned mark. Thank you for totally avoiding this bad practice!!
Due Dates: All late assignments/practical exercises should be submitted within a grace period of 3 days. Marks will not be awarded after the 3 days grace period.

Main Text: Since this is a course that covers a range of topics, there is no main textbook to purchase for this course. To assist, handouts will be provided to supplement lectures, and books may be placed on reserve at the library.

Key Reference Texts:

Other useful Textbooks:

Several reference books can be found in the library that will supplement the literatures in the reference texts. Furthermore, there are large array of literature that discusses topics on Climate change and Environmental management to choose from at the library and elsewhere – discretion at your disposal. Additional textbooks for you to read are provided above. Please do some background readings in relation to each topic before coming for the lectures. You can also consult the relevant web sites by typing keywords such as climate Change or Environmental management, REDD+ etc. using search engines i.e. google.com etc. for further information regarding each topic.

Course outline for 1.42373 Social and Environmental Soundness in the Pacific

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<th>Week/Staff</th>
<th>Topic</th>
<th>Practical</th>
<th>Tutorial/ Seminar</th>
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| 1-2 FA     | Introduction and background  
- Introduction to climate change  
- The climate change mitigation and adaptation context  
- Introduction to Social and Environmental Soundness in the Pacific (SESP)  
- Guiding frameworks – sustainable development & Ethics | Course timetable/outline | Course timetable/outline |
| 2-3 GG     | What social and Environmental issues exist: Strengthening design and Implementation of REDD  
- Environmental Co-Benefits: Introduction and Ecosystem services  
- Carbon/REDD+ Project Accounting, carbon monitoring & MRV  
- Regulatory framework, forest tenure and carbon rights at a global perspective  
- Regulatory framework, forest tenure and carbon rights at PNG context | Practical Assignment 1: Selected case studies: April Salumei REDD Project in PNG | Major Project given out/Seminar topics given out |
| 3-4 FA     | Stakeholder Participation  
- FPIC in Mining and Gas industries  
- FPIC in REDD in PNG  
- FPIC in logging and Agriculture sector in PNG | Practical Assignment 2: FPIC in Resource distribution and benefits in the Pacific | Tutorial/Seminar 1: Case studies in the Pacific |
| 4-5 FA/JI  | Social and Environmental co-benefits  
- Environmental co-benefits  
- Social co-benefits | Practical Assignment 3: Social benefits in the environmental context | Tutorial/Seminar 2: Case study: Selected topics on social co-benefits in the Pacific |
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<th>Week</th>
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| 5 - 6 | GG     | Gender Equity and women’s empowerment in resource management  
- 7 pillars of Papua New Guinea vision 2050 (recap)  
- Gender Analysis Tools  
- Women’s empowerment in Agriculture and Forestry index | Practical Assignment 4: Exercises on legislative framework and identification of all acts/related acts on Gender equality on resource management (e.g. 1st pillar in PNG Government vision 2050) | Tutorial/Seminar 3: Case study in women empowerment in PNG |
| 6 - 7 | FA     | Empowerment in Resource management in PNG  
- Indigenous Peoples and their empowerment in project development  
- Empowerment in PNG context | Practical Assignment 5: Case study on project development in PNG | Tutorial/Seminar 4: Case study: PNG People and their constitutional rights |
| 7 CONSOLIDATION WEEK: TEST 1 (COVERS TOPICS FROM WK 1–6) MAJOR FIELD TRIP/WORK | | | |
| 8 - 9 | FA/JI  | Local Livelihood  
- An Introduction to local livelihoods in PNG and the Pacific  
- Livelihoods impact case study: April Salumei | Practical Assignment 6: Case study on the livelihood of people in the April Salumei area, Ambunti, East Sepik Province, Papua New Guinea | Tutorial/Seminar 5: Livelihood in the vulnerable communities in the Pacific |
| 9-10  | FA     | REDD+  
- Introduction to REDD  
- REDD in PNG  
- REDD+ benefits sharing | Practical Assignment 7: REDD as an impact project in developing countries | Tutorial/Seminar #6: What and why REDD |
| 10-11 | PS/DM  | Environmental Economics  
- Economic and financial Viability and sustainability | Practical Assignment 8: Exercises in Environmental Economics | Tutorial/Seminar 7: Environmental Economics in |
| 11-12 | CK     | State of the art in action: Bringing the pieces together  
- Safeguard mechanisms in REDD+ programs  
- Streamlining of Safeguards and standards | Practical Assignment 9: Exercises in streamlining of safeguard in PNG | Tutorial/Seminar #8 Case study of streamlining of safeguard and standards in selected Pacific countries |
| 12-13 | CK/JG  | Safeguard mechanisms  
- Developing stages of safeguards and standards  
- Developing National Level safeguards | Practical Assignment 10: Exercises in | Tutorial/Seminar 9: Exercises in |
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<th>13-14</th>
<th>Implementation of safeguard and standards in PNG</th>
<th>developing a safeguard in PNG</th>
<th>developing a safeguard in PNG</th>
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<td>FA/CK</td>
<td>Revision on SESP</td>
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WEEK 13: TEST 2: (COVERS TOPICS FROM WK 8–13) MAJOR PROJECT DUE

Important: Please note that the timetable for this course will not be changed once agreed upon. Attendance is compulsory for lectures, practical and tutorials/seminars.

Cheers!!

The Teaching Team
FA, CK, SP and DM
Social and Environmental Soundness in the Pacific