

TABLE OF CONTENT

- Introduction- The University of Cape Coast
- Our approach- ACECoR
- Academic Programmes
- Short Courses
- Partners- UCC, In-Country, Regional and International
- Institutional Capacity
- Sustainability
- Infrastructure Brief
- Conclusion



The University of Cape Coast

- Established in October, 1962 as a University College
- Attained the status of a full and independent University (Act of Parliament - 1971 [Act 390] and the University of Cape Coast Law, 1992 [PNDC Law 278].
 - **College of Agriculture and Natural Sciences**
 - **College of Education Studies**
 - **College of Distance Education**
 - **College of Health and Allied Sciences**
 - **College of Humanities and Legal Studies**



Accommodation and Logistics

- 6 Halls of Residence

- Oguaa
- Adehye
- Atlantic
- Kwame Nkrumah
- VALCO
- Casley Hayford

- 4 University Hostels

- Graduate
- Superannuation
- PSI
- SSNIT



Language Centre

Languages of Instruction

- English Department
- French Department

Ammisah-Arthur Language Centre

- French Department



Quality Assurance

- **Quality Assurance of programmes**

- Directorate of Academic Planning and Quality Assurance (DAPQA) assessments
 - Student appraisal of course lecturers
 - Attendance and conduct of lectures
 - Assessment of teaching facilities
- Annual review of course outlines and teaching materials
- Moderation of examination questions and results
- Plagiarism software (Urkund)

Directorate of Research Innovation & Consultancy (DRIC)

- **DRIC**

- The umbrella unit mandated to coordinate research, innovation and consultancy work in the University.



Staff Structure and Capacity

- Academic Staff and Research Fellows
 - Include no. of staff for each discipline of ACE
 - Qualifications
 - Experiences in teaching, research and extension
- Administrative Staff
- Technical Staff
- Teaching and Research Support Staff
- Project Support Staff
- National Service Personnel

Other Educational Logistics

- Sam Jonah Library
- School of Biological Sciences Library
- Department of Fisheries and Aquatic Sciences Library
- IT Centre
- University Hospital
- Shuttle Service
- Student Counseling Unit
- Sports facilities
 - Football, Tennis, Basketball etc

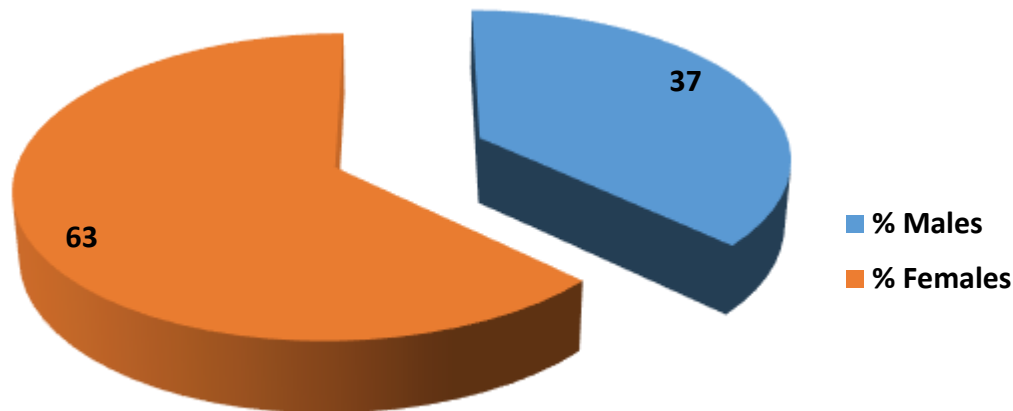


Students Enrolment – DFAS/ CCM

- **Undergraduate Programme**

- No. of undergraduate students in the past 5 years = **88**
- Percentage graduated over the period = **92%**

Gender Disaggregation of Undergraduate Students
(2014-2018)

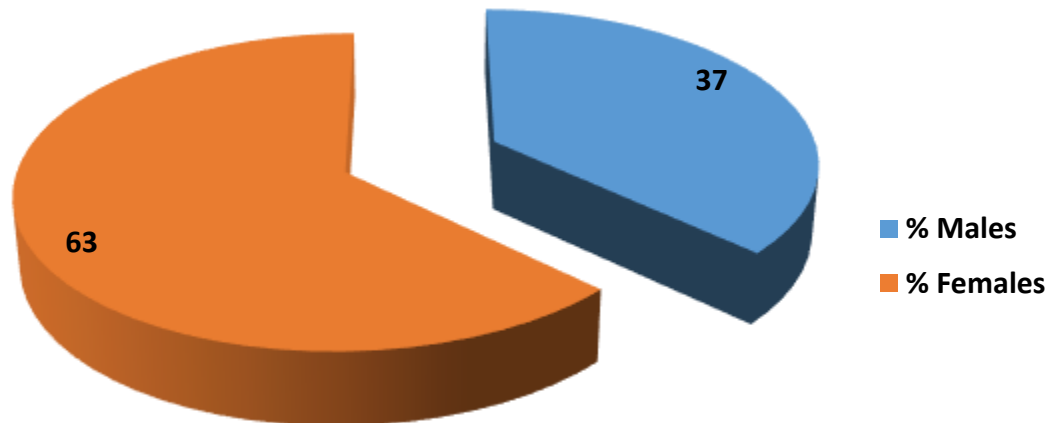


Students Enrolment – DFAS/ CCM

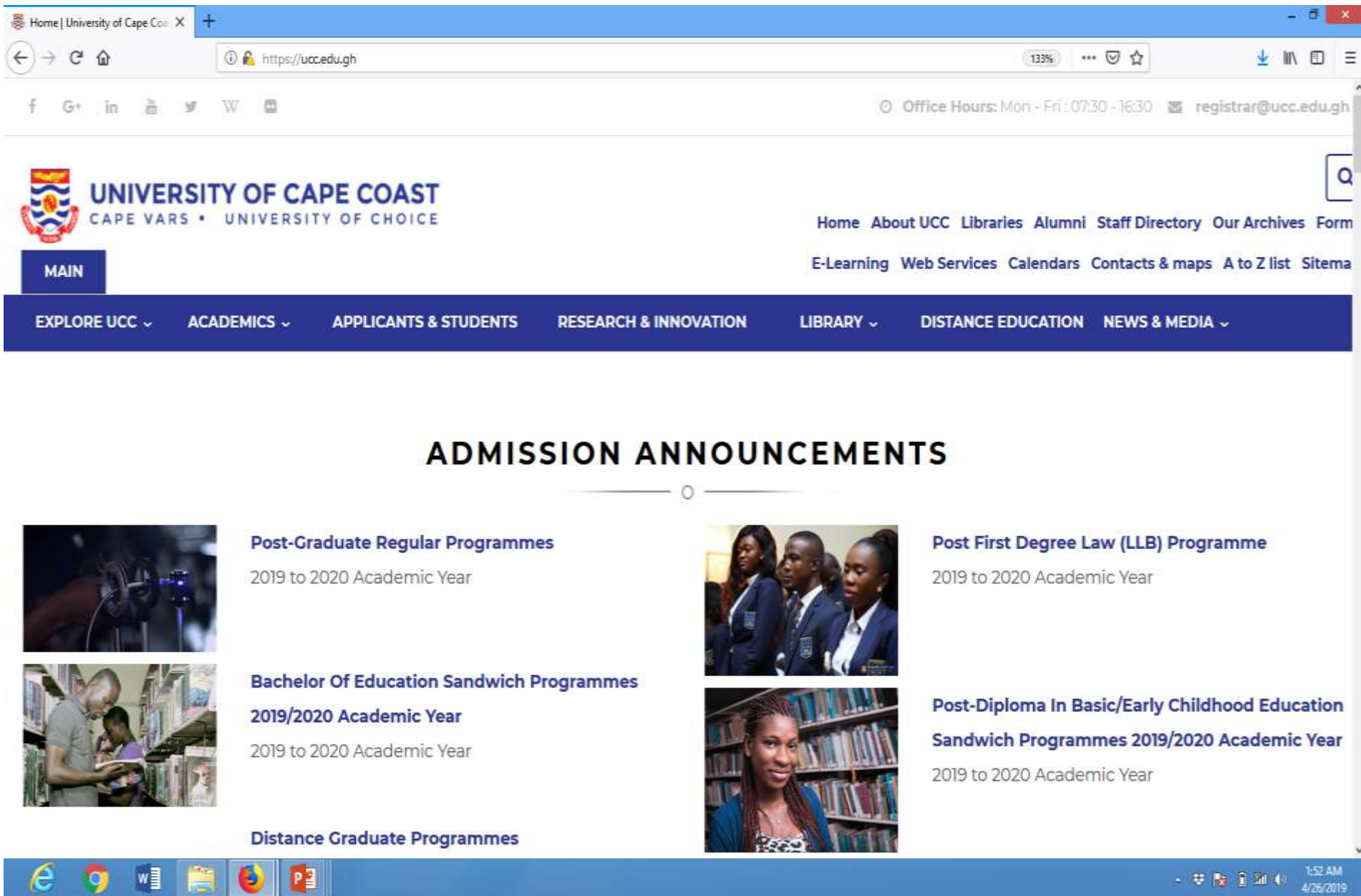
- **Postgraduate Programme**

- No. of MPhil students in the past 5 years = **33**
- Percentage graduated over the period = **50%**

Gender Disaggregation of MPhil Students (2014-2018)



Institutional Visibility



The image is a screenshot of a web browser displaying the University of Cape Coast website. The browser's address bar shows the URL <https://ucc.edu.gh>. The website header features the university's logo and name, "UNIVERSITY OF CAPE COAST", with the tagline "CAPE VARS • UNIVERSITY OF CHOICE". A navigation menu includes links for Home, About UCC, Libraries, Alumni, Staff Directory, Our Archives, Form, E-Learning, Web Services, Calendars, Contacts & maps, A to Z list, and Sitema. A dark blue navigation bar contains the following categories: EXPLORE UCC, ACADEMICS, APPLICANTS & STUDENTS, RESEARCH & INNOVATION, LIBRARY, DISTANCE EDUCATION, and NEWS & MEDIA. The main content area is titled "ADMISSION ANNOUNCEMENTS" and features five announcement cards, each with a representative image and text:

- Post-Graduate Regular Programmes**
2019 to 2020 Academic Year
- Bachelor Of Education Sandwich Programmes**
2019/2020 Academic Year
2019 to 2020 Academic Year
- Distance Graduate Programmes**
- Post First Degree Law (LLB) Programme**
2019 to 2020 Academic Year
- Post-Diploma In Basic/Early Childhood Education Sandwich Programmes**
2019/2020 Academic Year
2019 to 2020 Academic Year

The browser's taskbar at the bottom shows various application icons and the system clock indicating 1:52 AM on 4/26/2019.

PRIORITY THEME: COASTAL DEGRADATION

- ***Sustainable use and conservation of coastal resources*** are priorities of the international community (UN SDGs 14 and 17).
- ***Coastal Degradation***- a major challenge facing the world and especially West Africa
- ***Natural events such as climate change and intense anthropogenic activities*** are the cause of the degradation of the coast
- Degradation characterized by:
 - ***decline in shoreline***
 - ***pollution of coastal ecosystems***
 - ***lack of capacity to utilize coastal and marine assets, etc.***



ACECoR – ACE IMPACT (III) PROJECT

The CCM-UCC therefore proposed to the World Bank for the establishment of a Africa Centre of Excellence in Coastal Resilience (ACECoR) to address the enormous degradation in the coast of West Africa.

Expected Impact: *The coastal and marine sectors of West Africa contributes to the promotion of sustainable economic development through sustainable coastal resource utilisation in the partner countries.*

VISION: The proposed Centre is to promote coastal resilience within the West African sub-region, through collaboration with industry, private and public institutions both locally and internationally.



LAUNCH OF ACECoR

- Project Launch at Djibouti
- 20th February 2019



KEY DELIVERABLES AND OUTPUTS

ACECoR Outputs include:

1. Establishment of relevant post-graduate programs in Coastal and Marine Engineering, Physical Oceanography, Marine Meteorology, Disaster and Risk Management & Migration, Forestry Engineering and Integrated Coastal Zone Management;
2. Providing support for the development and delivery of short courses in the areas mentioned, accredited to relevant international bodies;
3. Developing mentoring support systems for faculty for effective administration and management, as well as course delivery;

KEY DELIVERABLES AND OUTPUTS

ACECoR Outputs include:

4. Providing incentives for lecturers to teach, guide research and provide in-service training to professionals in delivery of short courses;
5. Providing Smart Classrooms with state-of-the-art facilities including science laboratories with equipment to promote research and deliver the trainings;
6. Supplying computer hardware and software to deliver the course to the expected standards; and
7. Provision of placements for selected students and lecturers to attend conferences, workshops to upgrade their skills, with fees paid and living expenses funded by this Project.

OUR APPROACH



ACECoR

Five (5) thematic areas:

- i. Coastal Geomorphology and Engineering
- ii. Climate Change Adaptation and Mitigation
- iii. Disaster Risk Management and Migration
- iv. Ecosystems and Biodiversity Science
- v. Blue Economy, Governance and Social

resilience

OUR APPROACH



Conduct applied research focusing on but not limited to:

- i. Engineering of coastal defence structures towards effective erosion management,
- ii. Modelling and forecasting hydrodynamic and morphodynamic processes
- iii. Coastal erosion modelling and forecasting
- iv. Modelling and Forecasting climatic conditions and flooding
- v. Marine/coastal spatial planning
- vi. Coastal ecosystem studies
- vii. Economic Valuation of Coastal Resources and Services,
- viii. Impact of Pollution on Coastal Ecosystems and biodiversity
- ix. Policy Review/development for sustainable coastal development

OUR APPROACH-ACECoR

Teaching and Learning through:

- State-of-the-art smart classrooms
- Three persons (one (1) lecturer/Two (2) demonstrators/resource persons) to deliver lectures for each course at a time.
- The use of problem-based learning (PBL)
- A technical team that will be formed and stationed in each country of the sub-region to gather pictorial and video data to support lectures
- Delivering lectures through skypes and other online platforms
- In-country field study tours
- Regional Study tours
- Internships and industrial attachments among others

PROPOSED ACADEMIC PROGRAMMES FOR ACECoR

Masters Programmes

1. MPhil. Coastal and Marine Engineering
2. MPhil. Physical Oceanography
3. MPhil. Maritime Meteorology
4. MPhil. Integrated Coastal Zone Management*
5. MPhil. Fisheries Science*
6. MPhil. Disaster Management and Migration*
7. MPhil. Forestry Engineering
8. MPhil. Blue Economy

**These courses are already being run in the University*

PROPOSED ACADEMIC PROGRAMMES FOR ACECoR

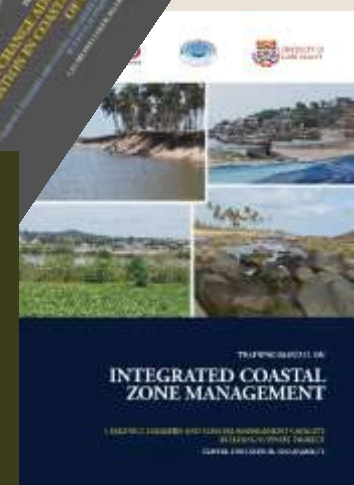
PhD Programmes

1. PhD. Coastal and Marine Engineering
2. PhD. Oceanography & Limnology*
3. PhD. Maritime Meteorology
4. PhD. Integrated Coastal Zone Management*
5. PhD. Fisheries Science*
6. PhD. Forestry Engineering
7. PhD. Disaster Management and Migration*
8. PHD Blue Economy

**These courses are already being run in the University*

PROPOSED SHORT COURSES

1. Integrated Coastal Zone Management
2. Climate Change Adaptation and Mitigation in Coastal Areas
3. Fisheries Management
4. Introductory Geographic Information System
5. Intermediate Geographic Information System
6. Fisheries Observer Program course
7. Coastal Conservation Economics
8. Remote Sensing for Coastal Area Monitoring



PARTNERS

University of Cape Coast

- ✓ Department of Fisheries and Aquatic Sciences (DFAS)
- ✓ Department of Physics
- ✓ Department of Environmental Science
- ✓ Department of Chemistry
- ✓ Department of Geography and Regional Planning
- ✓ School of Development Studies
- ✓ Department of English
- ✓ Department of French
- ✓ Alliance Francaise, Cape Coast Branch
- ✓ Directorate of Information, Communication, Technology Services (DICTS)

Ghana

Academic

- ✓ KNUST- Department of Civil Engineering
- ✓ KNUST- Faculty of Renewable Natural Resources

Industry

Public

- ✓ Ministry of Fisheries and Aquaculture Development (MoFAD)
- ✓ Architectural and Engineering Services Ltd (AESL)
- ✓ Ministry of Tourism
- ✓ Ghana Ports and Harbours Authority (GPHA)
- ✓ Environmental Protection Agency (EPA)

Private/NGO/CSO

- ✓ Tullow Oil, Ghana
- ✓ Great Lakes Dredge and Dock, Inc.
- ✓ Dredge Masters Ghana Ltd.

PARTNERS

Regional West Africa/Africa

Academic

- ✓ University of Abomey-Calavi
- ✓ The Federal University of Technology, Akure, Nigeria- Department of Marine Science and Technology
- ✓ Regional Maritime University
- ✓ University of Calabar

Industry/Sectoral

- ✓ West Africa Coastal Observatory (MOLOA) located in Senegal.
- ✓ Fishery Committee for West Central Gulf of Guinea, Ghana

International

Academic

- ✓ University of Rhode Island- Coastal Resources Centre (URI-CRC)
- ✓ University of Wollongong, Australia- Australian National Centre for Ocean Resources and Security (UOW-ANCORS)
- ✓ Godwin Kofi Vondolia, Norwegian Institute of Water Research (NIVA), Norway

Industry/Sectoral

- United States Agency for International Development (USAID)

INSTITUTIONAL CAPACITY

1. Project Title: USAID/UCC Fisheries and Coastal Management Capacity Building Support Project funded through the Department of Fisheries and Aquatic Sciences

Project Leader/Principal Investigator: Prof. Denis W. Aheto

Project Funder: United States Agency for
International Development

Project Period (Oct. 2014 – Sept., 2019)

Total Project Budget (in US\$): 5.5 million

Short Project Description

Operationalization of a Centre for Coastal Management at the University of Cape Coast to be able to run its mandate through training, research and extension

2. Project Title: Research Based Management of the Gulf of Guinea

Project Leader/Principal Investigator: Prof. Denis W. Aheto

Project Funder: Danish Foreign Ministry
through DANIDA

Project Period (Dec-2017- Dec. 2020)

Total Project Budget (in US\$) 800,000

Short Project Description

Research into the drivers and sources of pollution in the Gulf of Guinea



INSTITUTIONAL CAPACITY

3. Project Title: Fishing for Security in the Gulf of Guinea

Project Leader/Principal Investigator: Prof. Denis W. Aheto

Project Funder: Australian Aid

Project Period (Aug. 2014 – July 2015)

Total Project Budget (in US\$) 50,000

Short Project Description

Research into the drivers of maritime security in the Gulf of Guinea

4. Project Title: Public-Private Partnership Project for Aquaculture Development in Ghana

Project Leader/Principal Investigator: Prof. Denis W. Ahero

Project Funder: World Bank through the Skills Development Fund (SDF)

Project Period Mar. 2014-Dec. 2015

Total Project Budget (in US\$) 350,000

Short Project Description

Training of prospective and current fish farmers in Tilapia Culture

5. Project Title: Development of a Wetlands Curricula for Junior High Schools in Ghana

Project Leader/Principal Investigator: Prof. Denis W. Aheto

Project Funder: United States Agency for International Development (USAID)

Project Period (Jan 2012- Feb. 2012)

Total Project Budget (in US\$) 15,000

Short Project Description

Development of a Modular Wetlands Curricula with PowerPoint Presentations, Teaching materials and Field Protocols for Junior High Schools

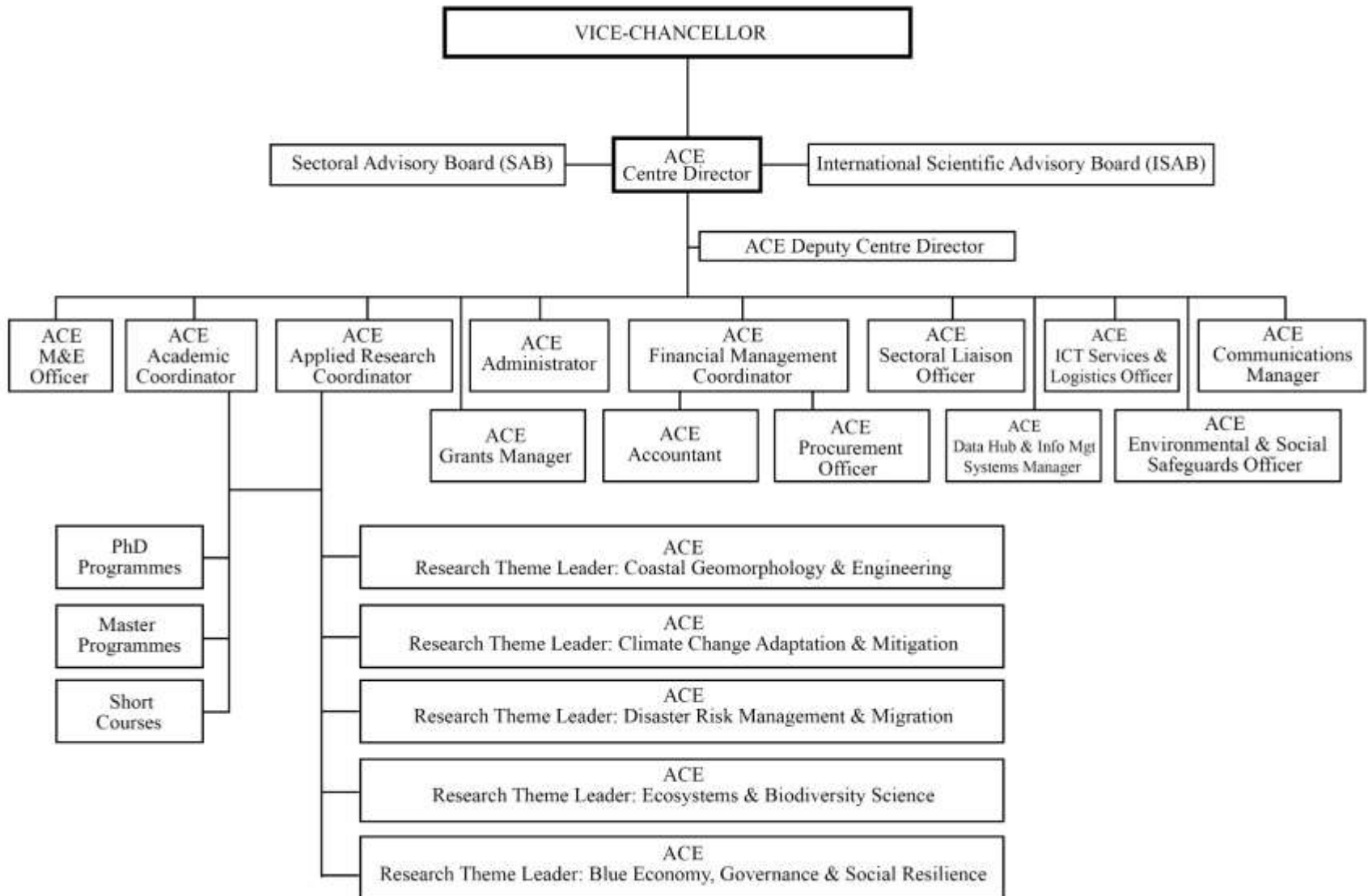


SUSTAINABILITY

- Institutionalization of academic programmes by UCC after the life-span of the ACE Impact project
- Diversification of funding sources of the centre so as to continue receiving supports from other organizations
- Internally generated incomes through fee-paying students (postgraduate and short courses) and privatization of GIS/RS, UAV activities
- Developing alumni relations office to connect with the alumni for their support to the Centre
- The West Africa Coastal Area Project



CENTRE MANAGEMENT AND GOVERNANCE



BRIEF - ACECOR BUILDING

- Lecture rooms – 5 classrooms (with three smart): three 30 seating capacity per room; and two 15 seating capacity
- Tutorial rooms – 5 breakout rooms for tutorials and group work (7-10 students)
- Laboratories – 4 (large general lab (1), specialized labs (2 – organic and inorganic), wet lab (1) all with shower outlets, + cold room (1) plus offices attached for lab technicians
- Offices for academic/research/administrators/ postdocs – 25 spread across the floors
- Offices for PhD students - 1 large room partitioned with 40 cubicles
- ICT Lab with Office – Large room for computers (30 computers) with an office attached
- Board room – 1 with 30 seating capacity

BRIEF - ACECOR BUILDING

- Library with books and installed e-facility – 1 for 50 seating capacity
- Mini auditorium – 150 seater
- Reception area/ General Office (with visitors' washroom)
- Washrooms - several on every floor
- Roof Top restaurant facility – 1 with seating area for 50 persons
- Landscaped front view with outdoor seating facilities and artifacts
- Car park
- Lift

SITE LOCATION



SITE INVENTORY AND ANALYSIS

- Huge Canopy Trees.
- Site is barely flat on main site but a bit steep on the boundaries.
- There are few trees on site.
- One particular tree on site is to be maintained.



Section A-A

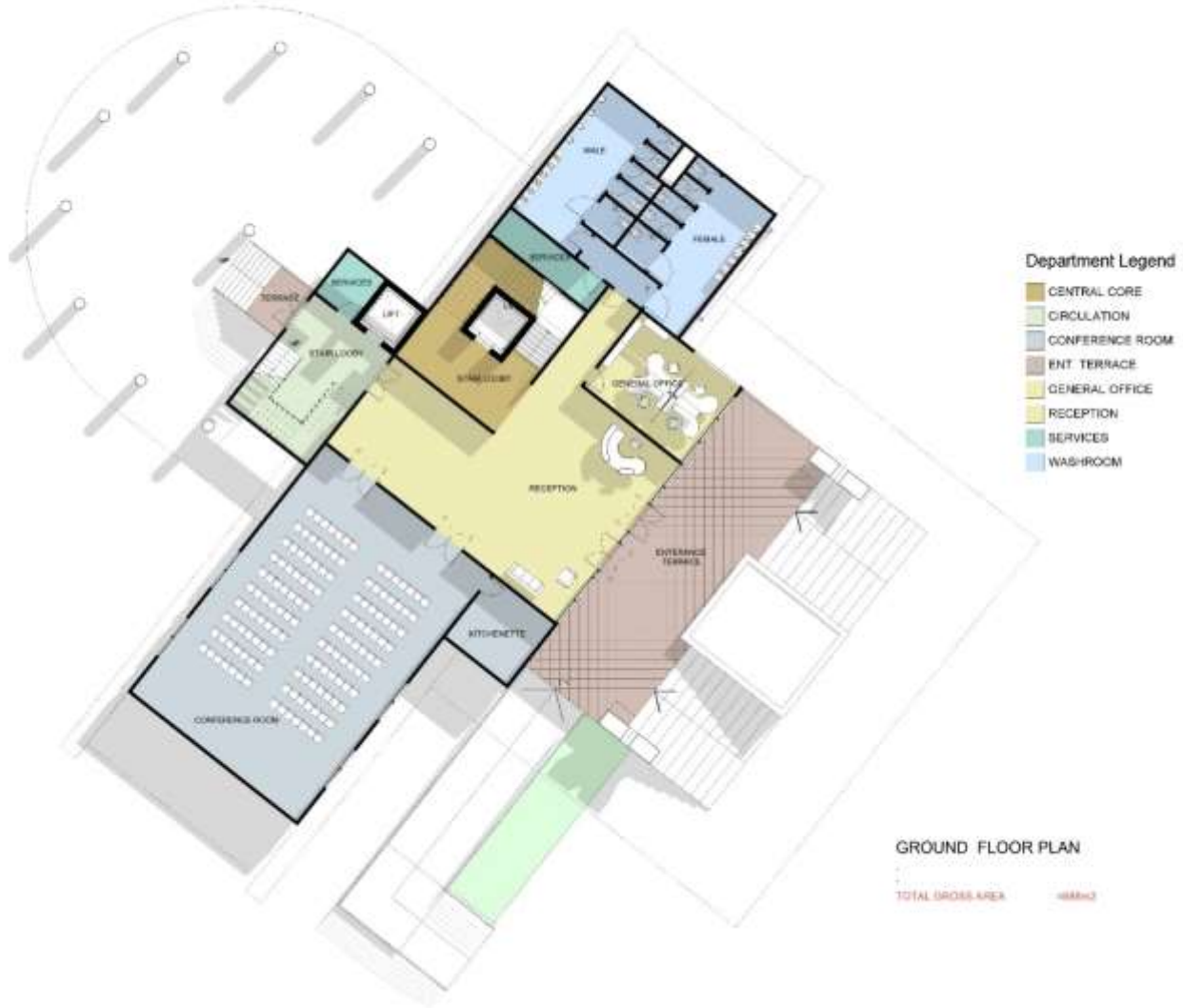


Section B-B

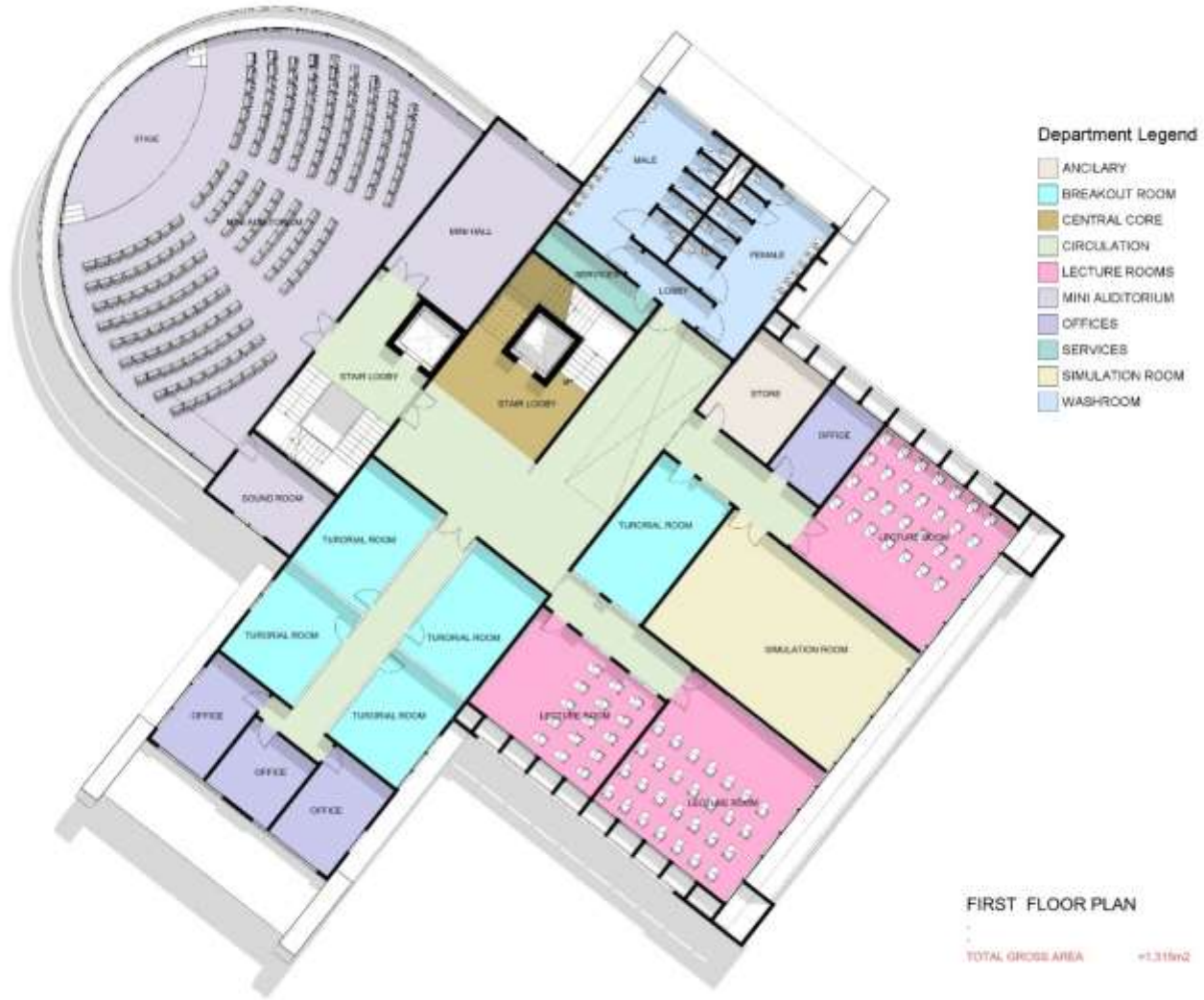
BLOCK PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN



SECOND FLOOR PLAN



THIRD FLOOR PLAN



FOURTH FLOOR PLAN



3D IMPRESSIONS – FRONT VIEW



3D IMPRESSIONS – BACK / BACK VIEWS





Estimated Budget

25% of total funding volume
of US\$ 6.4 million

THANK YOU



UNIVERSITY OF
CAPE COAST



ACECOR
AFRICA CENTRE OF EXCELLENCE IN
COASTAL RESILIENCE