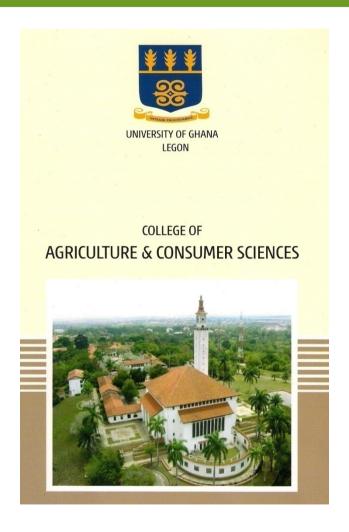
## CURRENT AND EMERGING NEEDS IN AGRICULTURE AND FORESTRY EDUCATION: Training at the College of Agriculture and Consumer Science

Dr. Tsatsu Adogla-Bessa

COLLEGE OF AGRICULTURE AND CONSUMER SCIENCES
UNIVERSITY OF GHANA
LEGON



### THE UNIVERSITY OF GHANA (UG)







#### UG

- UG was founded in 1948 as the then University College of Gold Coast
- It was founded for promoting university education, learning and research
- The current form of UG was set up by an Act of Parliament on October 1 1961; Act 79
- UG programmes cover sub degree diplomas, bachelors' degrees, masters degrees and doctoral degrees.





#### **HUMAN RESOURCES**

- Senior Members = 1087
- Senior Staff = 1346
- Junior Staff = 2571
- Total Staff = 5004

- Current student population (2008/2009) = 29,754
- Male: female ratio of 2:1





#### **ASSOCIATIONS AND LINKS**

- Member of
  - International Association of Universities
  - Association of Commonwealth Universities
  - League of World Universities (comprises 47 universities worldwide)
  - Norwegian Universities Committee for development Research and Education (NUFU)
  - Etc.





#### **FACULTIES**

- Arts;
  - classics, english, linguistics, russian, spanish, french, swahili, philosophy, religions, performing arts etc
- Social studies
  - archeology, economics, geography, history, nursing, political science
- Law
- Business School
  - accounting, public admin, marketing, banking, etc
- Engineering Sciences
  - agricultural, biomedical, food process, computer etc





#### COLLEGES

- College of Health Sciences
  - Medical School, Dental School, School of Allied Health Sciences, School of Public Health, Noguchi Memorial Inst for Medical Research, School of Nursing
- College of Agriculture and Consumer Sciences





## CENTRES OF RESEARCH AND LEARNING

- 16 Centres such as
  - Regional Training Centre for Archivists
  - Centre for Tropical Clinical Pharmacology and Therapeutics
  - Centre for Migration Studies and Research
  - The International Centre for African Music and Dance
  - Legon Botanical Gardens
  - Remote Sensing Applications Unit
  - Ecology Laboratory Centre
  - Centre for Social Policy Studies
  - African Virtual University





#### LIBRARY FACILITIES

- Balme Library is main UG library
- Holding of 300,000 volumes
- About 5000 periodicals
- Dept and Hall Libraries supplement facilities available in Balme Library
- Have subscribed to several electronic journals





#### ICT FACILITIES

University has an ICT Directorate

 Virtually all offices have internet points and staff and students have access

 All Senior Members and Students are allocated e-mail addresses on request





# COLLEGE OF AGRICULTURE AND CONSUMER SCIENCES (CACS)



**COLLEGE OF AGRICULTURE AND CONSUMER SCIENCES** 





#### **CACS VISION**

- To be an internationally acclaimed African institution for scientific innovations in sustainable agriculture and human development to meet national and global challenges
- CACS is committed to providing a world class academic environment through teaching, research and extension





#### **CACS PROFILE**

- School of Agriculture has following depts/centres
  - Agricultural Economics
  - Animal Science
  - Crop Science
  - Home Science
  - Soil Science
  - Agricultural Extension





- Biotechnology Centre
- West African Centre for Crop Improvement (WACCI) by AGRA

- School of Veterinary Medicine
  - Newly established 2009





- Institute of Agricultural Research
  - Agric Research Centre-Kade; 120 km out; cocoa, oil palm, rubber, citrus etc
  - Agric Research Centre-Kpong; 90 km out; cereals, pulses,
  - Agric Research Centre-Legon; 15 km out; livestock





#### CACS STAFF

- Senior Members Total = 83
  - Male = 61 ; Female = 22
- Senior Staff = 109
- Junior Staff = 420
- Total Staff = 612





### CACS STUDENTS (2009)

- Current undergraduate enrolment = 861
  - Male = 596; Female = 265
- Current graduate enrolment = 205
  - Male = 140; Female = 65
- Current diploma enrolment (sandwich) = 291
  - Male = 263 ; Female = 31





#### **PROGRAMMES**

- Certificate in farming; 10 month residential
- Diploma in Agriculture; three semester sandwich intensive programme
- B.Sc. (Agric) degree; 4 years; specialisation in agric economics, agribusiness, animal sci, crop sci, horticulture, post harvest technology, soil sci
- B.Sc./B.A (Home Sci) degree; 4 years; electives in home mgt, clothng & textiles, nutrition, human development





#### PRACTICAL TRAINING

- All students undergo a six week compulsory supervised vacation training at the Agric Research Centres
- In addition, students can volunteer for internships with recognised farmers who have signed an MoU with the College





#### CACS STRENGTHS

- Well trained competent staff
- Well developed course structures
- Opportunities exist for departments to develop demand driven courses





#### **CACS WEAKNESSES**

- College not widely appreciated by stakeholders as interaction with stakeholders was limited
- Lack of measurable performance indicators accounts for lack of common focus among faculty and staff
- Weak infrastructure; laboratories, lecture halls, offices, model farms





#### CACS WEAKNESSES

- Weak curriculum that does not reflect stakeholder interests
- Lack of sufficient technical staff
- Unavailability of regular programmes to upgrade skills of existing staff





# CACS STRATEGIC CRITICAL SUCCESS FACTORS

- CACS has identified 8 critical success factors; following relate closely to AFOLM
  - Strengthen internal and external collaboration
    - Identify and develop programmes that address national and global challenges
  - Be very responsive to external and internal needs
    - Paradigm shift in organisational culture and mindset of staff and students





#### CACS SUCCESS FACTORS

- Aggressive generation and management of resources
  - Initiate programmes to attract fees eg distance learning
- Provide and maintain adequate infrastructure to support the college's expansion
  - Acquire modern equipment to enhance teaching, research and extension
- Establish appropriate schools and centres to enhance our relevance as a college
  - Curriculum innovation to meet emerging trends and developments





#### THANK YOU



