



FSBA Course : Food Security and Biotechnology in Africa

A 120-hour Master's level course of six 20-hour modules in English and French



| | Module 1 | Module 2 | Module 3 | Module 4 | Module 5 | Module 6 |
|---------------|--|--|---|---|--|---|
| | Food security, Agricultural Systems and Biotechnology | Biotechnology: History, State of the Art, Future | Public response to the rise of Biotechnology | Regulation and Policy approaches to Biotechnology | Ethics and World Views in relation to Biotechnology | Tailoring Biotechnology: Towards societal responsibility and country-specific approaches |
| Unit 1 | A Introduction to Agricultural systems and Food security 4 h. | C Introduction to Biotechnology, History and Concepts definition 4 h. | Introduction to Biotechnology 3 h. | F Cartagena protocol and regulation frame-works for Biotechnology 5 h. | Overview of the subject of Ethics 4 h. | A,C Technology and innovation to the rise of biotechnology 5 h. |
| Unit 2 | Interdisciplinary Approaches to Biotechnology 3 h. | The Green Revolution: impact, limits, and the path ahead 4 h. | D Public; Who constitutes the Public and how do they Respond to the rise in Biotechnology 3 h. | Some relevant international Regulation regimes for Biotechnology 3 h. | Diversity of socio-cultural world-views and their impacts on the uptake of biotech 4 h. | F Policy-making and communication 3 h. |
| Unit 3 | Food Sovereignty in the African Context 4 h. | D Agricultural Biotechnology: the state-of-the-art 5 h. | E Benefits and Risks of Biotechnology 6 h. | E Risk and safety approaches toward Biotechnology 4 h. | Ethical issues in the uptake of Biotech 6 h. | Value chain, agribusiness, local and global development 3 h. |

| | | | | | | |
|---------------|--|---|--|--|---|--|
| Unit 4 | B Civil Society influence to Application of Biotechnology 4 h. | B Future trends and perspectives of Agricultural Biotechnology 4 h. | Biotechnology and African Agriculture 4 h. | The practice of dealing with Risks by Biotechnology 3 h. | Case studies of the influence of ethical concerns in the use /adoption of biotech 6 h. | B Stakeholder participation 3 h. |
| Unit 5 | Local Socio-Cultural Perceptions 5 h. | Biotechnology in Africa: options and opportunities to face food insecurity 3 h. | Dealing with public response in the context of African Agriculture 4 h. | Consumer rights and labeling 3 h. | | Case studies of tailor-made biotechnology in specific countries 6 h. |
| Unit 6 | | | | F Politicization, Scientization and Democratization in the debate on Biotechnology 2 h. | | |

Notes

Units in bold are the major units for that specific module

Units with the same letters are inter-related with some overlaps between them

Metadata

The modules' content comes in 52 presentation files (2.284 slides) and 40 supporting text files (1.028 pages A4) in English and French



university of
 groningen

