Contents

Foreword

Introduction
The MESA Universities Partnership objectives............................................. 4
Involvement of multiple actors in universities ......................................... 5
Universities in Africa and the MESA Universities Partnership .............. 6
Re-orientation towards sustainability ...................................................... 11
References ............................................................................................ 12

Orientation: The Education for Sustainable Development Innovations Course
Purpose of the ESD Innovations course .................................................. 1
Overview of the ESD Innovations course modules ................................ 2
Structure of the course materials ............................................................ 5
Features of the ESD Innovations course ................................................ 7
Activities and Tasks .............................................................................. 10

Module 1: Environment, Sustainable Development and the University in Africa
Module outcomes .................................................................................. 2
Is sustainable development a concern for universities? ......................... 2
Issues of environment, vulnerability and risk in Africa .......................... 4
A more in-depth probing of the concerns .............................................. 17
The role of development: solution or problem? .................................. 25
Sustainable development: a global response ....................................... 29
A wide range of international agreements and publications ............ 35
Sustainable development as a learning process .................................. 43
Support for sustainability in higher education .................................... 46
Education for sustainable development and universities .................. 50
Concluding summary .......................................................................... 54
References ........................................................................................... 55

Activity 1.1: Analyse the Nile River Basin case study ......................... green
Activity 1.2: Play a game - African ecological footprinting challenge .... green
Case Study 1: Environment, Sustainable Development & the Nile River Basin ......................................................... yellow
Module 2: Innovations in Teaching, Research and Community Engagement Work

Module outcomes ................................................................................................. 2
Teaching, research and community engagement work ........................................ 2
Education for a changing world ............................................................................. 6
Values and transformative learning ..................................................................... 14
Professional ethics and ESD in higher education ............................................. 23
Transformative learning ....................................................................................... 26
Curriculum design innovations ............................................................................ 34
ICT and ESD innovations in African universities .............................................. 46
Assessment innovations ..................................................................................... 53
Innovations in research ....................................................................................... 54
Innovations in community engagement work .................................................... 61
Concluding summary ......................................................................................... 65
References ........................................................................................................... 66

Activity 2.1: Case study analysis ................................................................. green
Activity 2.2: Intercultural, multi-disciplinary or trans-disciplinary responses? ....... green
Activity 2.3: Research effective implementation .................................................... green
Case Study 2: Innovations in teaching, research and community engagement work at Rhodes University .................................................... yellow

Module 3: Institutional Capacity Development for ESD

Module outcomes ................................................................................................. 2
Why focus on institutional capacity for ESD? ..................................................... 2
Introducing sustainable development innovations ............................................ 7
Organisational change and management support .............................................. 10
Understanding the culture of the institution ..................................................... 14
Strategy, policy and organisational structures ................................................... 17
Financing and resourcing innovations ............................................................... 20
Networking, partnerships and collaborations ..................................................... 22
Academic and professional incentives for innovative practice in universities .... 27
Working with student groups and organisations .............................................. 28
Sustainable campus management .................................................................... 30
Planning, monitoring, evaluating and review ................................................... 35
Putting it all together: ESD innovations in the university ................................. 38
Conclusion: breaking down the wall ................................................................... 45
References ........................................................................................................... 47

Activity 3.1: Case study analysis ................................................................. green
Activity 3.2: Back-casting exercise .................................................................... green
Case Study 3: Institutional capacity development and innovation at Makerere University ................................................................. yellow