Feeding a Hungry Planet Course Syllabus

Module 1: The global challenges around food
1.1 Introduction to this MOOC
1.2 Global challenges around food
1.3 Case study 1: Rice
1.4 Case study 2: Smallholder farming
1.5 Case study 3: Livestock
1.6 Case study 4: Aquaculture

Module 2: Agriculture at the center of sustainable development
2.1 Emergence of modern agriculture
2.2 Risks under a Business-As-Usual scenario
2.3 Agriculture & the Sustainable Development Goals

Module 3: Food systems for nutritional security and better health
3.1 What is food security?
3.2 Nutrition and health
3.3 Consumption and diets
3.4 Food losses and waste
3.5 Socio-economic dynamics of food systems
3.6 Pathways towards food security

Module 4: Sustainable intensification of agricultural systems – Part 1
4.1 Sustainable agriculture intensification
4.2 The importance of productivity growth
4.3 Climate change adaptation and mitigation
4.4 Breeding and genetics
4.5 Nutrient management
4.6 Soil fertility management

Module 5: Sustainable intensification of agricultural systems – Part 2
5.1 Water management
5.2 Crop protection
5.3 Good agronomy
5.4 Sustainable livestock systems
5.5 & 5.6 Functional diversity I & II

Module 6: Rural development for poverty alleviation
6.1 Rural economies and urban linkages
6.2 Rural development
6.3 Markets and supply chains
6.4 International trade
6.5 Development enhancing investments
6.6 Food governance

Module 7: Action for change
7.1 Pathways to change
7.2 Monitoring change
7.3 Mechanisms to stimulate change
7.4 Investing in science
7.5 What can I do?