

Curriculum and learner guide

21 modules | 210 lesson articles | 10 lessons per module

Agriculture Systems Integration is the organising philosophy. RUAIPP provides the implementation framework; Agriculture-Based Clusters (ABCs) organise delivery towards agricultural bio-industrialisation.

Your learning journey

Modules 1-8: understand the system, identify opportunities and design production and enterprise.

Modules 9-16: connect economics, finance, collective enterprise, digital technology, engineering and value addition.

Modules 17-21: integrate quality, logistics, markets, leadership and the bioeconomy.

Build one project portfolio

Map your agricultural system; build a RUAIPP plan; design your ABC; plan production; prepare a business and finance plan; connect markets; plan processing; and explain your bio-industrial pathway. Record evidence, assumptions, responsible people and next actions at each stage.

Planned assessment framework

Knowledge Check 30% + Applied Workbook 30% + Capstone 40%. Planned pass mark: 70%. These are the requirements recorded in the draft programme description; automated grading and certificate eligibility are not yet confirmed.

How to use this guide

Follow the module order in the classroom. Use the accompanying planning worksheets as working records. This guide lists module titles; the 210 individual lesson articles are held in the draft classroom. It is not a transcript, accreditation statement or certificate.

Master curriculum: modules 1-11

01 RUAIPP: Rural and Urban Agriculture Innovative Production Program

02 Agriculture-Based Clusters (ABCs): Formation, Management, SPVs & Industrialisation

03 Agriculture, Agribusiness & Rural Transformation

04 Finding Profitable Agricultural Opportunities

05 Farm & Agribusiness Business Models

06 Agricultural Entrepreneurship & Business Planning

07 Land, Soil, Water & Farm Planning

08 Commercial Crop & Livestock Production Systems

09 Agricultural Economics & Farm Financial Management

10 Agricultural Finance, Investment & Bankability

11 Cooperatives, Producer Organisations & Collective Enterprise Systems

Master curriculum: modules 12-21

12 Agriculture 4.0 & Agriculture 5.0

13 AI, IoT, Drones, Sensors & Precision Agriculture

14 Mechanisation, Irrigation & Agricultural Engineering

15 Harvesting, Post-Harvest Management & Storage

16 Value Addition, Processing & Bio-Industries

17 Food Safety, Quality, Biosecurity & Certification

18 Traceability, Supply Chains & Logistics

19 Agricultural Marketing, Branding, Offtake & Export

20 Agribusiness Leadership, Scale & Rural Industrialisation

21 Agricultural Bio-Industrialisation & the Bioeconomy