

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| | HG34 CROP PRODUCTION | | | | | | | |
|------------------------------------|--|---|---|---|--|--|--|--|
| Course Structure Session 2020/2021 | UNIVERSITY CORE (PROMOTION OF KNOWLEDGE) (12 Credit Hours) | UW00202 Islam and Asian Civilisation UE00X02 Soft Skills I UK00X02 Soft Skills II (6 Credit Hours) | UW00102 Ethnic Relations UCXXX02 Soft Skills III (4 Credit Hours) | UW00302 Fundamentals of Entrepreneurial Acculturation (2 Credit Hours) | | | | |
| | UNIVERSITY CORE (LANGUAGE COURSE) (8 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | | | |
| | UNIVERSITY CORE (CO-CURRICULUM) (3 Credit Hours) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum (1 Credit Hour) | | | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HG34 CROP PRODUCTION

| Course Structure Session 2020/2021 | HG34 CROP PRODUCTION | | | | | | | | |
|------------------------------------|---|---|---|--|--|--|--|--|---|
| | FACULTY CORE (63 Credit Hours) | RT10402 Introduction to Agriculture RT10303 Chemistry for Agriculture RT10503 Agricultural Ecology (8 Credit Hours) | RT10203 Genetics RT10403 Soil Science (6 Credit Hours) | RT20303 Agricultural Biotechnology RT20102 Organic Farming RT20101 Field Work (6 Credit Hours) | RT20203 Agricultural Microbiology RT20802 Industry Revolution and Biometry RT20603 Introduction to Agricultural Engineering (8 Credit Hours) | RT30302 Experimental Design and Analysis RT30202 Scientific Writing and Communication RT30301 Agroentrepreneurship Practice 1 (5 Credit Hours) | RT30103 Agricultural Extension RT30401 Agroentrepreneurship Practice 2 RT30402 Research Project 1 (6 Credit Hours) | RT40303 Agricultural Economics And Agribusiness RT40103 Precision Farming RT40402 Issues and Current Developments in Agriculture RT40204 Research Project 2 (12 Credit Hours) | RT40012 Industrial Training (12 Credit Hours) |
| | PROGRAMME CORE (42 Credit Hours) | RC10102 Plant Nutrition (2 Credit Hours) | RH10203 Plant Physiology (3 Credit Hours) | RH20303 Plant Propagation and Nursery Management RH20103 Plant Breeding (6 Credit Hours) | RC20203 Weed Science RC20403 Crop Pest Management RC20803 Pasture and Fodder Production (9 Credit Hours) | RC30103 Farm Mechanisation RC30303 Seed Technology RC30503 Plantation Crops RC30703 Plant Pathology (12 Credit Hours) | RC30402 Cereal Crops RC30602 Root Crops RC30802 Oil Palm Management (6 Credit Hours) | RC40202 Food Processing And Preservation RH40302 Post Harvest Technology (4 Credit Hours) | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | | |
|---|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
| | | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HG34 CROP PRODUCTION | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|---|---|-----------|-----------|
| *ELECTIVES (6 Credit Hours) | | | | | | Elective (2 Credit Hours) | Elective Elective (4 Credit Hours) | | |
| TOTAL CREDIT HOURS (134 Credit Hours) | 19 | 16 | 17 | 19 | 19 | 19 | 16 | 16 | 12 |

| ELECTIVE COURSES | |
|-------------------------|--|
| RC30302 | Farm Irrigation Systems |
| RC30502 | Advanced Crop Science |
| RC30702 | Soil Fertility Management |
| RC30902 | Agricultural Entomology |
| RC31002 | Soilless Culture |
| RC31102 | Herbs and Spices Crops |
| RC31202 | Legumes and Miscellaneous Crops |
| RC31302 | Management of Small and Medium Industries |
| RC31402 | Water Resource Management |
| RC31502 | Plant Systematics |
| RC31602 | Introduction to Aqua-Agri Entrepreneurship |
| RH30502 | Plant Molecular Biology |
| RH30802 | Plant Tissue Culture |
| RH30902 | Controlled Environment Agriculture |
| RH31302 | Mushroom Technology |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HG35 HORTICULTURE AND LANDSCAPING

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|------------------------------------|---|--|--|--|---|--|--|--|--|--|
| Course Structure Session 2020/2021 | UNIVERSITY CORE (PROMOTION OF KNOWLEDGE) (12 Credit Hours) | UW00202 Islam and Asian Civilisation UE00X02 Soft Skills I UK00X02 Soft Skills II (6 Credit Hours) | UW00102 Ethnic Relations UCXXX02 Soft Skills III (4 Credit Hours) | UW00302 Fundamentals of Entrepreneurial Acculturation (2 Credit Hours) | | | | | | |
| | UNIVERSITY CORE (LANGUAGE COURSE) (8 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | | | | | |
| | UNIVERSITY CORE (CO-CURRICULUM) (3 Credit Hours) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum (1 Credit Hour) | | | | | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HG35 HORTICULTURE AND LANDSCAPING

| Course Structure Session 2020/2021 | HG35 HORTICULTURE AND LANDSCAPING | | | | | | | | |
|------------------------------------|--|---|---|--|--|--|---|--|---|
| | FACULTY CORE (63 Credit Hours) | RT10402 Introduction to Agriculture RT10303 Chemistry for Agriculture RT10503 Agricultural Ecology (8 Credit Hours) | RT10203 Genetics RT10403 Soil Science (6 Credit Hours) | RT20303 Agricultural Biotechnology RT20102 Organic Farming RT20101 Field Work (6 Credit Hours) | RT20203 Agricultural Microbiology RT20802 Industry Revolution and Biometry RT20603 Introduction to Agricultural Engineering (8 Credit Hours) | RT30302 Experimental Design and Analysis RT30202 Scientific Writing and Communication RT30301 Agroentrepreneurship Practice 1 (5 Credit Hours) | RT30103 Agricultural Extension RT30401 Agro-entrepreneurship Practice 2 RT30402 Research Project 1 (6 Credit Hours) | RT40303 Agricultural Economics and Agribusiness RT40103 Precision Farming RT40402 Issues and Current Developments in Agriculture RT40204 Research Project 2 (12 Credit Hours) | RT40012 Industrial Training (12 Credit Hours) |
| | PROGRAMME CORE (42 Credit Hours) | RC10102 Plant Nutrition (2 Credit Hours) | RH10203 Plant Physiology (3 Credit Hours) | RH20103 Plant Breeding RH20303 Plant Propagation and Nursery Management (6 Credit Hours) | RC20203 Weed Science RC20403 Crop Pest Management RH20603 Turf Management (9 Credit Hours) | RC30103 Farm Mechanisation RH30302 Olericulture RH30503 Horticulture Landscape RC30703 Plant Pathology (11 Credit Hours) | RH30602 Floriculture And Ornamentals RH30803 Landscape Design RH31002 Pomology (7 Credit Hours) | RH40302 Post Harvest Technology RH40202 Garden Planning and Management (4 Credit Hours) | |

| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | | |
|---|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
| | | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

| HG35 HORTICULTURE AND LANDSCAPING | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|--------------------------------------|---|-----------|--|
| *ELECTIVES (6 Credit Hours) | | | | | | Elective (2 Credit Hours) | Elective Elective (4 Credit Hours) | | |
| TOTAL CREDIT HOURS (134 Credit Hours) | 19 | 16 | 17 | 19 | 18 | 17 | 16 | 12 | |

| ELECTIVE COURSES | |
|-------------------------|--|
| RH30502 | Plant Molecular Biology |
| RH30702 | Food Bioprocessing |
| RH30802 | Plant Tissue Culture |
| RH30902 | Controlled Environment Agriculture |
| RH31102 | Landscape Construction and Management |
| RH31302 | Mushroom Technology |
| RC30302 | Farm Irrigation Systems |
| RC30702 | Soil Fertility Management |
| RC30902 | Agricultural Entomology |
| RC31002 | Soiless Culture |
| RC30303 | Seed Technology |
| RC31302 | Management of Small and Medium Industries |
| RC31402 | Water Resource Management |
| RC31502 | Plant Systematics |
| RC31602 | Introduction to Aqua-Agri Entrepreneurship |
| RC31102 | Herbs and Spices Crops |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HG36 LIVESTOCK PRODUCTION

| Course Structure Session 2020/2021 | HG36 LIVESTOCK PRODUCTION | | | | | | | | |
|------------------------------------|---|--|--|--|---|--|--|--|--|
| | UNIVERSITY CORE (PROMOTION OF KNOWLEDGE) (12 Credit Hours) | UW00202 Islam and Asian Civilisation UE00X02 Soft Skills I UK00X02 Soft Skills II (6 Credit Hours) | UW00102 Ethnic Relations UCXXX02 Soft Skills III (4 Credit Hours) | UW00302 Fundamentals of Entrepreneurial Acculturation (2 Credit Hours) | | | | | |
| | UNIVERSITY CORE (LANGUAGE COURSE) (8 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | UBXXXXX Language (2 Credit Hours) | | | | |
| | UNIVERSITY CORE (CO-CURRICULUM) (3 Credit Hours) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum * ECXXXX3 (1 Credit Hour) | ECXXXX1 Co-Curriculum (1 Credit Hour) | | | | | |

4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS)

| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 |

HG36 LIVESTOCK PRODUCTION

| Course Structure Session 2020/2021 | HG36 LIVESTOCK PRODUCTION | | | | | | | | |
|------------------------------------|---|---|---|--|--|--|--|--|---|
| | FACULTY CORE (63 Credit Hours) | RT10402 Introduction to Agriculture RT10303 Chemistry for Agriculture RT10503 Agricultural Ecology (8 Credit Hours) | RT10203 Genetics RT10403 Soil Science (6 Credit Hours) | RT20303 Agricultural Biotechnology RT20102 Organic Farming RT20101 Field Work (6 Credit Hours) | RT20203 Agricultural Microbiology RT20802 Industry Revolution and Biometry RT20603 Introduction to Agricultural Engineering (8 Credit Hours) | RT30302 Experimental Design and Analysis RT30202 Scientific Writing And Communication RT30301 Agroentrepreneurship Practice 1 (5 Credit Hours) | RT30103 Agricultural Extension RT30401 Agroentrepreneurship Practice 2 RT30402 Research Project 1 (6 Credit Hours) | RT40303 Agricultural Economics And Agribusiness RT40103 Precision Farming RT40402 Issues and Current Developments in Agriculture RT40204 Research Project 2 (12 Credit Hours) | RT40012 Industrial Training (12 Credit Hours) |
| | PROGRAMME CORE (43 Credit Hours) | RL10303 Introduction to Livestock Production (3 Credit Hours) | RL10404 Animal Anatomy and Physiology (4 Credit Hours) | RL20103 Animal Breeding RL20603 Animal Nutrition (6 Credit Hours) | RL20403 Animal Behaviour and Welfare RL20803 Pasture and Fodder Production RL21203 Poultry Production (9 Credit Hours) | RL31103 Small Ruminant Production RL30303 Monogastric Livestock Production RL30503 Livestock Feed Processing (9 Credit Hours) | RL30403 Beef and Dairy Production RL30603 Animal Disease and Health Care (6 Credit Hours) | RL40103 Handling and Processing of Livestock Products RL40703 Livestock Waste Management (6 Credit Hours) | |

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| 4 YEARS PROGRAMME COURSE STRUCTURE (8 SEMESTERS) | | | | | | | | | |
| | YEAR 1 | | YEAR 2 | | YEAR 3 | | YEAR 4 | | |
| | Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8 | |

| | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|---|---|-----------|-----------|--|
| HG36 LIVESTOCK PRODUCTION | | | | | | | | | |
| *ELECTIVES (6 Credit Hours) | | | | | Elective (2 Credit Hours) | Elective Elective (4 Credit Hours) | | | |
| TOTAL CREDIT HOURS (135 Credit Hours) | 20 | 17 | 17 | 19 | 16 | 16 | 18 | 12 | |

| | |
|-------------------------|------------------------------------|
| ELECTIVE COURSES | |
| RL30402 | Livestock Selection and Evaluation |
| RL30502 | Integrated Farming Systems |
| RL30602 | Livestock Housing Systems |
| RL30702 | Animal Environmental Physiology |
| RL30902 | Alternative Animals |
| RL31002 | Animal Biotechnology |