

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

| Key |
|--|
| In Person |
| Online |
| Dual Delivery (Variations include different offerings per term or dual delivery within term) |
| Independent |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| CLASSES | CROSSLISTINGS |
|--|------------------------------|
| AGRO 92: Plant Biology Portfolio and Assessment* | HORT 92, NRES 92 |
| AGRO 95: Plant and Landscape Seminar | |
| AGRO 100: Plants, Landscapes, & the Environment* | HORT 100, TLMT 100 |
| AGRO 102: Internship and Career Preparation | HORT 102, TLMT 102 |
| AGRO 107: Invasive Plant Species: Impacts on Ecosystems | NRES 107 |
| AGRO 127: Survey of Turfgrass and Landscape Management | TLMT 127, HORT 127 |
| AGRO 131: Plant Science* | |
| AGRO 132: Agronomic Plant Sciences Laboratory | |
| AGRO 133: Horticulture Plant Science Laboratory | |
| AGRO 134: Plant Sciences Laboratory | HORT 134, TLMT 134 |
| AGRO 153: Soil Resources* | HORT 153, SOIL 153 |
| AGRO 170 Residential Landscape Design | |
| AGRO 200: Landscape and Environmental Apprciation | GEOG 200, LARC 200 |
| AGRO 201: Agronomic Internship and Career Preparation | |
| PLAS 201: Dendrology Study and Identification of Trees and Shrubs | NRES 201 |
| AGRO 204: Resource-Efficient Crop Management* | |
| PLAS 212: Woody Plants for Landscapes: Identification, Management, and Use | NRES 212, LARC 212 |
| PLAS 213: Cultivars and Varieties of Woody Plants for Landscapes | NRES 213, LARC 213 |
| PLAS 214: Herbaceous Landscape Plants* | NRES 214 |
| AGRO 215: Genetics* | HORT 215, TLMT 215 |
| PLAS 221: Plant Propagation | |
| AGRO 216: Plant Breeding Principles and Practice | HORT 216 |
| AGRO 227: Introductory Turfgrass Management* | HORT 227, TLMT 227 |
| AGRO 228: Introduction to Landscape Management | HORT 228, TLMT 228 |
| AGRO 229: Introductory Turfgrass Management Laboratory* | TLMT 229, HORT 229 |
| AGRO 230: Technical Reporting in Plant and Landscape Systems | HORT 230 |
| AGRO 240: Forage Crop and Pasture Management | RNGE 240, GRAS 240 |
| AGRO 242: North American Wildland Plants* | HORT 242, RNGE 242, GRAS 242 |
| AGRO 245: Introduction to Grassland Ecology and Management | NRES 245 |
| PLAS 261: Floral Design 1 | |
| PLAS 262: Floral Design 2* | |
| PLAS 265: Visual Communication for Landscape Design | |
| PLAS 267: Introduction to Landscape Design Studio | |
| AGRO 269: Principles of Soil Management* | SOIL 269 |
| AGRO 270: Biological Invaders | HORT 270, NRES 270, PLPT 270 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| | |
|--|---|
| AGRO 275: Agribusiness Entrepreneurial Finance* | AECN 275, EAEP 275, ENTR 275, HORT 275 |
| AGRO 278: Botany | HORT 278 |
| AGRO 279: Soil Evaluation | NRES 279, SOIL 279 |
| AGRO 295: Internship | RNGE 295, SOIL 295, HORT 295 |
| PLAS 300 Introduction to Landscape Construction | |
| PLAS 302: Tree Biology | NRES 302 |
| PLAS 306: Greenhouse Practices and Management | |
| PLAS 307: Hydroponics for Growing Populations | |
| PLAS 319 Edible Landscapes | |
| PLAS 321: Arboriculture: Maintenance & Selection of Landscape Trees | NRES 321 |
| AGRO 325: Introductory Plant Physiology* | |
| AGRO 326: Landscape Solutions | HORT 326, TLMT 326 |
| AGRO 327: Turfgrass Science and Management* | HORT 327, TLMT 327 |
| AGRO 330: Pruning Ornamentals | HORT 330, TLMT 330 |
| AGRO 340: Range Management and Improvement | RNGE 340, GRAS 340 |
| PLAS 326: Landscape Solutions | |
| PLAS 352: Production and Physiology of Horticultural Crops | |
| PLAS 353: Vegetable Crop Production Laboratory | |
| PLAS 354: Fruit Production Laboratory | |
| PLAS 355: Perennial, Pot, and Bedding Plant Production Laboratory | |
| PLAS 356: Seasonal Plant Production* | |
| AGRO 361: Soils, Environment, and Water Quality | GEOL 361, NRES 361, SOIL 361, WATS 361 |
| AGRO 366: Soil Nutrient Relationships | SOIL 366 |
| AGRO 375: Innovations for Agriculture | HORT 375, AGRI 375, EAEP 375, TLMT 375 |
| AGRO 379: Advanced Soil Evaluation | NRES 379, SOIL 379 |
| AGRO 388: Business Systems in Entrepreneurship | HORT 388, ENTR 388, EAEP 388, ABUS 388 |
| PLAS 391A: Special Topics in Agronomy | |
| PLAS 391A: Section 002: Introduction to Plant Diagnostics | |
| PLAS 391A, Section 700: The Science of Variety Selection | |
| PLAS 391B: Special Topics in Horticulture | |
| PLAS 391L: Special Topics in Landscape Design and Management | |
| PLAS 391T: Special Topics in Turfgrass Science and Management | |
| PLAS 391T, Section 001: Turf Competitions | |
| PLAS 391T, Section 002: Turfgrass Seminars | |
| PLAS 395A: Internship in Agronomy | |
| PLAS 395B: Internship in Horticulture | |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| | |
|---|--|
| PLAS 395L: Internship in Landscape Design and Management | |
| PLAS 395T: Internship in Turfgrass Science and Management | |
| AGRO 395: Internship in Agronomy | |
| PLAS 398R: Research Experiences in Grasslands | GRAS 398R |
| PLAS 399: Independent Study | |
| AGRO 403: Scientific Writing and Communication | AGRO 803, HORT 403, HORT 803 |
| AGRO 405: Crop Management Strategies | |
| AGRO 406: Plant Ecophysiology: Theory and Practice | AGRO 806, HORT 406, HORT 806, NRES 406, NRES 806 |
| PLAS 407: Bio-Atmospheric Instrumentation | NRES 469, METR 869, NRES 869, GEOG 469, METR 4469, MYSM 469, AGRO 869, GEOG 869, HORT 807 |
| AGRO 408: Microclimate: The Biological Environment | GEOG 408, HORT 408, METR 408, NRES 408, WATS 408, AGRO 808, GEOG 808, HORT 808, METR 808, NRES 808 |
| AGRO 409A: Case Studies in Plant Breeding: Breeding for Disease Resistance | AGRO 809A, HORT 409A, HORT 809A |
| AGRO 409B: Case Studies in Plant Breeding: Transgenic Strategies for Disease Resistance | AGRO 809B, HORT 409B, HORT 809B |
| AGRO 411: Crop Genetic Engineering | AGRO 811 |
| AGRO 412: Crop and Weed Genetics | AGRO 812 |
| AGRO 414: Turfgrass Disease Management | AGRO 814, HORT 414, HORT 814, PLPT 414, PLPT 814, TLMT 414, TLMT 814 |
| AGRO 419: Applications of Remote Sensing in Agriculture and Natural Resources | GEOG 419, GEOL 419, NRES 420, AGRO 819, GEOG 819, GEOL 819, NRES 820 |
| AGRO 420: Bioinformatics Applications in Agriculture* | AGRO 820 |
| AGRO 425: Cover Crops In Agroecosystems* | AGRO 825 |
| AGRO 426: Invasive Plants | AGRO 826, HORT 426, HORT 826, NRES 426, NRES 826 |
| AGRO 427: Turfgrass Systems Management | HORT 427, TLMT 427, AGRO 827, HORT 827, TLMT 827 |
| AGRO 429: Plant Biotechnology Applications | AGRO 829 |
| AGRO 429A: Food Security: A Global Perspective | ANTH 4296A, ANTH 829A, AGRO 829A, HORT 429A, HORT 829A, NRES 429A, NRES 829A, NUTR 429A, NUTR829A |
| AGRO 431: Site-specific Crop Management | AGEN 431, MSYM 431 |
| AGRO 434: Plant Biochemistry | BIOC 434, BIOS 434, CHEM 434, AGRO 834, BIOC 834, BIOS 834, CHEM 834 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| | |
|---|--|
| AGRO 435: Agroecology* | AGRO 835, HORT 435, NRES 435, NRES 835 |
| AGRO 436: Agroecosystems Analysis | AGRO 836, HORT 436, HORT 836 |
| AGRO 437: Animal, Food, and Industrial Uses of Grain | AGRO 837 |
| AGRO 438: Producing Grain for Animal, Food, and Industrial Uses | AGRO 838 |
| AGRO 439: Organic Farming and Food Systems | AGRO 839, HORT 439, HORT 839 |
| AGRO 440: Great Plants Ecosystem | AGRO 840, NRES 840, RENG 440, NRES 440, GRAS 440 |
| AGRO 441: Perennial Plant Function, Growth, and Development | AGRO 841, HORT 441, HORT 841, RENG 441, GRAS 441 |
| AGRO 442: Wildlands Plants | AGRO 842, NRES 842, RENG 442, NRES 442, GRAS 442, |
| AGRO 444: Ecosystem Monitoring and Assessment | AGRO 844, NRES 844, RENG 444, NRES 444, GRAS 444 |
| AGRO 445: Livestock Management on Range and Pasture | AGRO 845, ASCI 451, ASCI 851, RENG 445, GRAS 445 |
| AGRO 450: Climate and Society | GEOG 450, METR 450, NRES 452, AGRO 850, GEOG 850, METR 850, NRES 852 |
| AGRO 452: Irrigation Systems Management | MYSM 452, MYSM 852, WATS 452 |
| AGRO 453: Urban Soil Properties and Management | HORT 453, LARC 453, SOIL 453 |
| PLAS 454: Specialty Crop Innovations | AGRO 854 |
| AGRO 455: Soil Chemistry and Mineralogy | AGRO 855, NRES 455, NRES 855, SOIL 455 |
| PLAS 457: Green Space and Urban Forestry Management | |
| AGRO 458 Soil Physical Determinations | AGRO 858, NRES 458, NRES 858, SOIL 458 |
| AGRO 460: Soil Microbiology | BIOS 460, NRES 460, SOIL 460, AGRO 860, BIOS 860, NRES 860 |
| AGRO 461: Soil Physics | GEOL 461, NRES 461, SOIL 461, WATS 461, AGRO 861, GEOL 861, NRES 861 |
| AGRO 462: Cannabis Growth, Production and Breeding Basics | HORT 462, AGRO 862, HORT 862 |
| PLAS 467: Planting Design | ARCH 467, ARCH 567, ARCH 867, LARC 467 |
| AGRO 469: Bio-Atmospheric Instrumentation | GEOG 469, HORT 407, METR 469, MSYM 469, NRES 469, AGRO 869, GEOG 869, HORT 807, METR 869, MSYM 869, NRES 869 |
| PLAS 469: Ecological Landscape Design | |
| AGRO 470: Critical Thinking in Landscape Management | HORT 470, TLMT 470 |
| PLAS 471: Vines, Wines, and You | HORT 871, NUTR 471, NUTR 871, HRTM 471, HRTM 871 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| | |
|---|--|
| AGRO 472: Applied Soil Physics | AGRO 872, NRES 472, NRES 872, SOIL 472, WATS 472 |
| AGRO 475 Water Quality Strategy | NRES 475, NRES 875, SOCI 475, SOCI 875, SOIL 475, WATS 475, AGRO 875, CIVE 475, CIVE 875, GEOL 475, GEOL 875, MSYM 475, MYSM 875, POLS 475, POLS 875 |
| AGRO 477: Great Plains Field Pedology | GEOG 467, NRES 477, SOIL 477, GEOG 867, NRES 877 |
| AGRO 478: Plant Anatomy | BIOS 478, BIOS 878, AGRO 878, HORT 478, HORT 878 |
| AGRO 480: Modified Rootzones | HORT 480, TLMT 480, TLMT 880, AGRO 880, HORT 880 |
| AGRO 484: Water Resources Seminar | GEOG 484, GEOL 484, NRES 484, WATS 484, NRES 884, AGRO 884, GEOG 884, GEOL 884, WATS 884 |
| AGRO 488: Entrepreneurship and Enterprise Development | HORT 488, HORT 888, EAEP 488, ENTR 488, EAEP 888, AGRO 888, ENTR 888, ABUS 488 |
| AGRO 489: Urbanization of Rural Landscapes* | AGRO 889, CRPL 489, HORT 489, HORT 889, CRPL 889 |
| AGRO 495: Grasslands Seminar | ENTO 495, GRAS 495, HORT 495, NRES 495, RNGE 495, SOIL 495 |
| AGRO 496, Section 001, 501: Independent Study | AGRO 896, RNGE 496, SOIL 496 |
| PLAS 496, Section 001: Applied Breeding and Genetics | AGRO 896 |
| AGRO 496, Section 002: Global Environmental Issues | AGRO 896 |
| PLAS 496, Section 002: Specialty Crop Innovation | AGRO 896 |
| AGRO 496, Section 003: Rangeland Research | AGRO 896 |
| PLAS 496, Section 003: Applied Plant Physiology | |
| AGRO 496, Section 004: Intercollegiate Crops Judging/Crops Team | |
| AGRO 496, Section 005: Weed Contest Prep | AGRO 896 |
| AGRO 496, Section 007: Fire Ecology and Management | AGRO 896 |
| AGRO 496, Section 008: Plant Physiology | AGRO 896 |
| AGRO 496, Section 009: Weed ID Prep | |
| AGRO 496, Section 100: Resilience Thinking in Landscape | NRES 498 |
| AGRO 496, Section 101: Exploring the Culture of Agriculture | AGRO 896 |
| AGRO 496, Section 102: Outreach Communications | AGRO 896 |
| AGRO 496, Section 103: Introduction to Plant Identification | |
| AGRO 496, Section 150: Plant Biotechnology | AGRO 896 |
| AGRO 496, Section 151: Plant Biotechnology Lab | AGRO 896 |
| AGRO 496, Section 591 Range Shortcourse | AGRO 896 |
| PLAS 496, Section 700: Applied Breeding and Genetics | AGRO 896 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate AGRO and PLAS

| | |
|--|----------------------|
| PLAS 496, Section 701: Physiology of Yields | |
| PLAS 496, Section 796: Organic Weed Management for Small Farms | AGRO 896 |
| AGRO 496, Section 792: Soil Study Course | AGRO 896 |
| AGRO 496, Section 794: Land Grabs in the Global South | AGRO 896 |
| AGRO 496, Section PO2: Introduction to Plant Identification | |
| PLAS 496, Section PO1: Introduction to Plant Identification | AGRO 896 |
| AGRO 496, Section PW1: Exploring the Culture of Agriculture | AGRO 896 |
| PLAS 496, Section PO2: Exploring the Culture of Agriculture | AGRO 896 |
| AGRO 496, Section 700: Independent Study | |
| AGRO 498: Senior Project | SOIL 498 |
| AGRO 499H: Honors Thesis | RNGE 499H, SOIL 499H |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate HORT

| CLASSES | CROSSLISTINGS |
|--|------------------------------|
| HORT 92: Plant Biology and Assessment | AGRO 92 |
| HORT 100: Plants, Landscapes, and the Environment | AGRO 100, TLMT 100 |
| HORT 102: Internship and Career Preparation | AGRO 102 |
| HORT 131: Plant Science | AGRO 131 |
| HORT 133: Horticultural Plant Science Laboratory | |
| HORT 134: Plant Sciences Laboratory | AGRO 134 |
| HORT 153: Soil Resources | AGRO 153 |
| HORT 170: Residential Landscape Design | |
| HORT 200: Landscape and Environmental Appreciation | GEOG 200, LARC 200 |
| HORT 201: Dendrology: Study and Identification of Trees and Shrubs | NRES 201 |
| HORT 212: Landscape Plants 1 | NRES 212 |
| HORT 212: Woody Plants for Landscapes: Identification, Management, and Use | NRES212, LARC 212 |
| HORT 213: Landscape Plants 2 | NRES 213, LARC 213 |
| Landscapes | NRES 213, LARC 213 |
| HORT 214: Herbaceous Landscape Plants | NRES 214 |
| HORT 215: Genetics | AGRO 215 |
| HORT 221: Plant Proagation | |
| HORT 227: Introductory Turfgrass Management | TLMT 227 |
| HORT 228: Introduction to Landscape Management | TLMT 228 |
| HORT 229: Introductory Turfgrass Management Laboratory | TLMT 229 |
| Systems | AGRO 230 |
| HORT 242: North American Wildland Plants | AGRO 242 |
| HORT 261: Floral Design 1 | |
| HORT 262: Floral Design 2 | |
| HORT 265: Visual Communication for Landscape Design | |
| HORT 267: Introduction to Landscape Design Studio | |
| HORT 270: Biological Invaders | PLPT 270, AGRO 270, NRES 270 |
| HORT 275: Agribusiness Entrepreneurial Finance | AECN 275 |
| HORT 278: Botany | AGRO 278 |
| HORT 295: Internship | |
| HORT 300: Introduction to Landscape Construction | |
| HORT 301: Introduction to Landscape Contracting | |
| HORT 302: Tree Biology | NRES 302 |
| HORT 306: Greenhouse Practices and Management | |
| HORT 307: Hydroponics for Growing Populations | |
| HORT 319: Edible Landscapes | |
| HORT 321: Arboriculture: Maintenance & Selection of Landscape Trees | |
| HORT 326: Landscape Solutions | TLMT 326 |
| HORT 327: Turfgrass Science and Management | TLMT 327, AGRO 327 |
| HORT 330: Pruning Ornamentals | |
| Crops | |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate HORT

| | |
|---|--|
| HORT 353: Vegetable Crop Production Laboratory | |
| HORT 354: Fruit Production Laboratory | |
| HORT 355: Perennial, Pot, and Bedding Plant Production Laboratory | |
| HORT 362: Nursery Crop Production | |
| HORT 375: Innovations for Agriculture | AGRO 375, TLMT 375, EAEP 375, AGRI 375 |
| HORT 388: Agribusiness Entrepreneurship | AGRO 388, EAEP 388, ABUS 388, ENTR 388 |
| HORT 395: Career Experience | |
| HORT 395: Internship in Horticulture | |
| HORT 396, Section 001: Current Projects and Topics in Horticulture | |
| HORT 396, Section 002: Turf Competitions and Tech | |
| HORT 396, Section 952: Turfgrass Management | |
| HORT 399, Section 003: Current Projects and Topics in Horticulture | |
| HORT 399, Section 001: Independent Study | |
| HORT 399, Section 002: Edible Landscapes | |
| HORT 399, Section 004: Cannabis Production | |
| HORT 399, Section 704: Cannabis Production | |
| HORT 403: Scientific Writing and Communication | AGRO 403, AGRO 803 |
| HORT 407: Bio-Atmospheric Instrumentation | |
| HORT 408: Microclimate: The Biological Environment | NRES 408, AGRO 408, GEOG 408, METR 408, WATS 408, NRES 808, METR 808, GEOG 808, AGRO 808, HORT 808 |
| HORT 409A: Case Studies in Plant Breeding: Breeding for Disease Resistance | AGRO 409A, AGRO 809A, HORT 809A |
| HORT 409B: Case Studies in Plant Breeding: Transgenic Strategies for Disease Resistance | AGRO 409B, AGRO 809B, HORT 809B |
| HORT 414: Turfgrass Disease Management | AGRO 414, AGRO 814, HORT 814, PLPT 414, PLPT 814, TLMT 414, TLMT 814 |
| HORT 418: Agroforestry Systems in Sustainable Agriculture | |
| HORT 426: Invasive Plants | AGRO 426, AGRO 826, HORT 826, NRES 426, NRES 826 |
| HORT 427: Turfgrass Systems Management | TLMT 427, AGRO 427 |
| HORT 429A: Food Security: A Global Perspective | NUTR 429A, NUTR 829A, AGRO 429A, AGRO 829A, HORT 829A, NRES 429A, NRES 829A |
| HORT 435: Agroecology | AGRO 435, AGRO 835, NRES 435, NRES 835 |
| HORT 436: Agroecosystems Analysis | AGRO 436, AGRO 836, HORT 836 |
| HORT 439: Organic Farming and Food Systems | AGRO 439, AGRO 839, HORT 839 |
| HORT 453: Urban Soil Properties and Management | AGRO 439, AGRO 839, HORT 839 |
| HORT 457: Green Space and Urban Forestry Management | NRES 457, NRES 857 |
| HORT 462: Nursery Management and Crop Production Basics | HORT 862, AGRO 462, AGRO 862 |
| HORT 467: Planting Design | ARCH 467, ARCH 567, ARCH 867, LARC 867 |
| HORT 469: Senior Landscape Design | |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate HORT

| | |
|---|--|
| HORT 469: Ecological Landscape Design | |
| HORT 470: Critical Thinking in Landscape Management | TLMT 470, AGRO 470 |
| HORT 471: Vines, Wines and You | HORT 871, NUTR 471, NUTR 871, HRTM 471, HRTM 871 |
| HORT 478: Plant Anatomy | BIOS 478, BIOS 878, AGRO 478, AGRO 878, HORT 878 |
| HORT 480: Modified Rootzones | TLMT 880, AGRO 480, HORT 880, AGRO 880, TLMT 480 |
| HORT 488: Business Management for Agricultural Enterprises | TLMT 880, AGRO 480, HORT 880, AGRO 880, TLMT 480 |
| HORT 489: Urbanization of Rural Landscapes | ABUS 488, HORT 888, EAEP 488, AGRO 488, ENTR 488, EAEP 488, AGRO 888, ENTR 888 |
| HORT 495: Grasslands Seminar | AGRO 489, AGRO 889, HORT 889 |
| HORT 499H: Honors Seminar | GRAS 495, AGRO 495, ENTO 495, NRES 495 |
| HORT 801: Biology of Plant Pathogens | PLPT 801, AGRO 801 |
| HORT 802: Ecology and Management of Plant Pathogens | PLPT 802, AGRO 802 |
| HORT 803: Scientific Writing and Communication | PLAS 403, AGRO 803 |
| HORT 806: Plant Ecophysiology: Theory and Practice | AGRO 806, NRES 406, NRES 806, PLAS 406 |
| HORT 807: Bio-Atmospheric Instrumentation | |
| HORT 808: Microclimate: The Biological Environment | WATS 408, AGRO 808, GEOG 808, METR 808, NRES 808 |
| HORT 809A: Case Studies in Plant Breeding: Breeding for Disease Resistance | PLAS 409A, AGRO 809A |
| HORT 809B: Case Studies in Plant Breeding: Transgenic Strategies for Disease Resistance | PLAS 409B, AGRO 809B |
| HORT 810: Plant Molecular Biology | AGRO 810, BIOC 810, NRES 810 |
| HORT 812: Landscape Ecology | |
| HORT 813: Turfgrass and Landscape Weed Management | AGRO 813, TLMT 813 |
| HORT 814: Turfgrass Disease Management | AGRO 814, PLPT 414, PLPT 814, PLAS 414, TLMT 814 |
| HORT 817: Plant Pathology Principles and Application | PLPT 817, AGRO 817 |
| HORT 818: Agroforestry Systems in Sustainable Agriculture | PLAS 418, NRES 418 |
| HORT 821: Learning Biotechnology | AGRO 821 |
| HORT 822: Integrated Weed Management | AGRO 822 |
| HORT 823X: Production Systems | AGRO 823X |
| HORT 824: Plant Nutrition and Nutrient Management | AGRO 824 |
| HORT 826: Invasive Plants | PLAS 426, AGRO 826, NRES 426, NRES 826 |
| HORT 827: Turfgrass Systems Management | PLAS 427, AGRO 827, TLMT 827 |
| HORT 828: Scientific Illustration | ENTO 828, AGRI 828, AGRO 828 |
| HORT 829A: Food Security: A Global Perspective | PLAS 429A, AGRO 829A, NRES 429A, NRES 829A, NUTR 429A, NUTR 829A |
| HORT 832: Learning Plant Science | AGRO 832 |
| HORT 833: Permaculture: Sustainable Living | PLAS 433 |
| HORT 836: Agroecosystems Analysis | PLAS 436, AGRO 836 |
| HORT 839: Organic Farming and Food Systems Management | AGRO 839, PLAS 439 |
| | TLMT 840 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate HORT

| | |
|---|--|
| Development | |
| HORT 842A: Plant Pathology | |
| HORT 842B: Plant Physiology | |
| HORT 842E: Floral Crops Production and Handling | |
| HORT 842J: Water Issues in Lawn and Landscape | |
| HORT 843A: Greenhouse Crop Production | |
| HORT 843E: Advanced Interiorscaping | |
| HORT 843K: Advanced Arboriculture | |
| HORT 843M: Weed Science | |
| HORT 844A: Environmental Nursery Production Practices | |
| HORT 844B: Environmental Stress Physiology | |
| HORT 844E: General Viticulture | |
| HORT 849: Woody Plant Growth and Development | BIOS 849, NRES 849 |
| HORT 854: Specialty Crop Innovations | PLAS 454, AGRO 854 |
| Basics | PLAS 462, AGRO 862 |
| HORT 871: Vines, Wines, and You | PLAS 471, NUTR 471, NUTR 871, HRTM 471, HRTM 871 |
| HORT 878: Plant Anatomy | BIOS 478, BIOS 878, PLAS 478, AGRO 878 |
| HORT 880: Modified Root Zones | PLAS 480, TLMT 880, AGRO 880 |
| HORT 888: Entrepreneurship and Enterprise Development | PLAS 488, EAEP 488, ENTR 488, EAEP 888, AGRO 888, ENTR 888, ABUS 458 |
| HORT 889: Urbanization of Rural Landscapes | PLAS 489, AGRO 889, CRPL 489, CRPL 889 |
| HORT 894 Graduate Degree Project Credits | AGRO 894 |
| HORT 896, Section 001: Independent Study | |
| HORT 896, Section 002: Grasslands Seminar | |
| HORT 896, Section 003: Senior Planting Design | |
| HORT 896, Section 004: Cannabis Production | |
| HORT 896, Section 700: Independent Study | |
| HORT 896, Section 791: Production Systems | AGRO 896 |
| HORT 896, Section 891: Introduction to Permaculture | |
| HORT 896: Section 991: Herb Perennials and Grasses | |
| HORT 896, Section 992: Environmental Crop Physiology | |
| HORT 896, Section 992: Fruit and Nut Tree Production | |
| HORT 896, Section 992 Horticultural Phsiology | |
| HORT 896: Section 993: Post Harvest Physiology | |
| HORT 896, Section 994: Plant Breeding Methods | |
| HORT 897: Master of Applied Science Project | AGRI 897, AGRO 897, NRES 897, ASCI 897 |
| HORT 899, Section 001: Masters Thesis | |
| HORT 899, Section 700: Masters Thesis | |
| HORT 919: Advanced Crop Genetics and Genomics | AGRO 919 |
| HORT 931: Population Genetics | AGRO 931, ASCI 931 |
| HORT 963: Genetics of Host-Parasite Interaction | AGRO 963, PLPT 963 |
| HORT 965: Plant Virology | PLPT 965, AGRO 965 |
| HORT 968: Seminar in Plant Pathology | PLAT 968, AGRO 968 |
| HORT 991: Seminar Presentation and Evaluation | AGRO 991 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate HORT

| | |
|--------------------------------------|--------------------|
| HORT 992: General Seminar | AGRO 992, NRES 992 |
| HORT 996: Research Other Than Thesis | |
| HORT 999: Doctoral Dissertation | AGRO 999 |
| | |

Undergraduate RNGE

| CLASSES | CROSSLISTINGS |
|---|--|
| RNGE 240: Forage Crop and Pasture Management | AGRO 240 |
| RNGE 242: North American Wildland Plants | AGRO 242, HORT 242 |
| RNGE 295: Internship in Agronomy | AGRO 295, SOIL 295 |
| RNGE 340: Range Management and Improvement | AGRO 340 |
| RNGE 440: Great Plains Ecosystems | AGRO 440, AGRO 840, NRES 840, NRES 440 |
| RNGE 442: Wildland Plants | AGRO 442, AGRO 842, NRES 842, NRES 442 |
| RNGE 444: Ecosystem Monitoring and Assessment | AGRO 444, AGRO 844, NRES 844, NRES 444 |
| RNGE 445: Livestock Management on Range and Pasture | AGRO 445, AGRO 845, ASCI 451, ASCI 851 |

Undergraduate SOIL

| CLASSES | CROSSLISTINGS |
|--|--|
| SOIL 101: Soil and Society | |
| SOIL 153 Soil Resources | AGRO 153, HORT 153 |
| SOIL 269: Principles of Soil Management | AGRO 269 |
| SOIL 279: Soil Evaluation | AGRO 279, NRES 279 |
| SOIL 295: Internship in Agronomy | AGRO 295, RNGE 295 |
| SOIL 354: Soil Conservation and Watershed Management | MYSM 354, WATS 354 |
| SOIL 361: Soils, Environment and Water Quality | NRES 361, AGRO 361, GEOL 361, WATS 361 |
| SOIL 366: Soil Nutrient Relationships | AGRO 366 |
| SOIL 379: Advanced Soil Evaluation | NRES 379, AGRO 379 |
| SOIL 453: Urban Soil Properties and Management | AGRO 453, HORT 453 |
| SOIL 455: Soil Chemistry and Mineralogy | AGRO 455, AGRO 855, NRES 455, NRES 855 |
| SOIL 460: Soil Microbiology | AGRO 460, BIOS 460, NRES 460, AGRO 860, NRES 860, BIOS 860 |
| SOIL 475: Water Quality Strategy | NRES 475, CRPL 475, CRPL 875, MSYM 475, MSYM 875, NRES 875, SOCI 475, SOCI 875, WATS 475, AGRO 475, AGRO 875, GEOL 475, GEOL 875, CIVE 475, CIVE 875, POLS 475, POLS 875 |
| SOIL 477: Great Plains Field Pedology | NRES 477, AGRO 477, GEOG 467, NRES 877, GEOG 867 |
| SOIL 498: Senior Project | AGRO 498 |
| SOIL 985: Soil Carbon and Nitrogen Dynamics | AGRO 985 |

UNDERGRADUATE STUDENT SUCCESS APPENDIX 8

Undergraduate Class Offerings & Delivery 2023

Undergraduate TMLT

| CLASSES | CROSSLISTINGS |
|--|--|
| TLMT 100: Plants, Landscapes and the Environment | HORT 100, AGRO 100 |
| TLMT 102: Internship and Career Preparation | AGRO 102, HORT 102 |
| TLMT 134: Plant Sciences Laboratory | AGRO 134, HORT 134 |
| TLMT 215: Genetics | AGRO 215, HORT 215 |
| TLMT 227: Introductory Turfgrass Management | AGRO 227, HORT 227 |
| TLMT 228: Introduction to Landscape Management | AGRO 228, HORT 228 |
| TLMT 229: Introductory Turfgrass Management Laboratory | AGRO 229, HORT 229 |
| TLMT 295: Turfgrass and Landscape Management Extended Internship | |
| TLMT 326 Landscape Solutions | HORT 326 |
| TLMT 327: Turfgrass Science and Management | HORT 327, AGRO 327 |
| TLMT 330: Pruning Ornamentals | AGRO 330, HORT 330 |
| TLMT 375: Innovations for Agriculture | HORT 375, AGRO 375, EAEP 375, AGRI 375 |
| TLMT 391T: Special Topics in Turfgrass Science and Management | |
| TLMT 395: Career Experience | |
| TLMT 395L: Internship in Landscape Design and Management | |
| TLMT 395T: Internship in Turfgrass Science and Management | |
| TLMT 414: Turfgrass Disease Management | HORT 414, AGRO 414, AGRO 814, PLPT 414, PLPT 814, TLMT 814 |
| TLMT 427: Turfgrass Systems Management | AGRO 427, HORT 427 |
| TLMT 470: Critical Thinking in Landscape Management | AGRO 470, HORT 470 |
| TLMT 480: Modified Rootzones | TLMT 880, AGRO 480, HORT 880, HORT 480, AGRO 888 |
| TLMT 814: Turfgrass Disease Management | HORT 414, AGRO 414, AGRO 814, PLPT 414, PLPT 814, TLMT 814 |
| TLMT 880: Modified Rootzones | TLMT 880, AGRO 480, HORT 880, HORT 480, AGRO 888 |