

Appendix A: List of elective courses for each SFR Graduate Concentration

Forest Ecosystem Science
INT 527 Integration of GIS and Remote Sensing Data Analysis in Natural Resource Applications
SFR 521 Research Methods
SFR 503 Advanced Forest Measurements & Modeling
SFR 575 Advanced Forest Biometrics
SFR 507 Forest Ecology
SFR 605 Forest Ecosystem Science
PSE 440 Soil and Environmental Chemistry
PSE 469 Soil Microbiology
BIO 550 Biogeochemistry of Terrestrial Ecosystems
BIO 572 Paleoecology
BIO 568 Advanced Plant Ecology
BIO 532 Biology of the Fungi
BIO 462 River Ecology
BIO 468 Lake Ecology
BIO 430 Ecology and Systematics of Aquatic Insects
BIO 432 Biology of Fungi
WLE 413 Wetland Delineation and Mapping
WLE 423 Wetland Ecology and Conservation
WLE 479 Wildlife Conservation in a Changing World
ERS 441 Glaciers and Out Landscapes
ERS 521 Low Temperature-Pressure Geochemistry
ERS 580 Introduction to Hydrogeology

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Forest Policy and Economics
SFR 521 Research Methods
SFR 544 Forest Economics
SFR 617 Forest Policy
SFR 577 Forest Management
ECO 514 Microeconomic Theory OR ECO 410 Accelerated Introductory Economics
ECO 530 Econometrics OR ECO 485 Introduction to Economic Statistics and Econometrics
ECO 571 Environmental & Resource Econ
SFR 504 Rural Communities: Theory and Practice
ECO 527 Regional Economics: Modeling
SFR 508 Management of the Acadian Forest
SFR 501 Forest Operations Planning

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Human Dimensions of Natural Resources
SFR 521 Research Methods
ANT 500 Advanced Social Theory
ANT 550 Anthropological Dimensions of Environmental Policy
SFR 504 Rural Communities: Theory and Practice
ANT 564 Ecological Anthropology
SFR 528 Qualitative Data Analysis Natural Resources
CMJ 580 Environmental Communication
CMJ 604 Qualitative Communication Research Methods
CMJ 608 Communication Theory
CMJ 610 Seminar in Risk Communication
ANT 510 Climate, Culture and the Biosphere
ANT 530 Human Dimensions of Climate Change
ANT 553 Institutions and the Management of Common Pool Resources
PSY 561 Advanced Social Psychology
PSY 630 Current Topics in Social Psychology
EHD 571 Qualitative Research: Theory, Design, and Practice
SMS 552 Coupled Natural & Human Systems
SMS 567 Knowledge and Participation in the Science Policy Process
ECO 581 Agent-based Modeling
SMS 563 Fisheries Policy and Management
BIO 593 Advanced Biometry
SFR 617 Forest Policy
INT 527 Integration of GIS and Remote Sensing Data Analysis in Natural Resource Applications
SFR 593 Sustainable Tourism Planning

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Bioproducts Engineering
SFR 530 Wood Physics
SFR 570 Cellulose Nanomaterials and their composites
SFR 521 Research Methods in Forest Resources
CIE 644 Advanced Composite Materials
SFR 531 Mechanics of Wood and Wood Composites
SFR 550 Wood-Polymer Hybrid Composites
SFR 545 Adhesion & Adhesives Technology
CHY 523 Advanced Polymer Chemistry
CHY 583 Advanced Wood Chemistry
CET 413 Statics and Strength of Materials
CET 414 Structural Design
MEE456 - Introduction to Finite Element Method
CIE 544 Design of Wood and Masonry Structures
CIE 549 Numerical Methods in Engineering
STS 434 Introduction to Statistics
MAT 453 Partial Differential Equations I
CHE 410 Advanced Materials
PSE 509 Experimental Design
CIE 543 Introduction to Composite Materials in Civil Engineering
INV 510 Innovation Engineering Accelerated
INV 511 Experience: Innovation Engineering Case Study
INV 590 Using Innovation: Proposal & Project

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Parks, Tourism and Recreation
SFR 521 Research Methods
SFR 593 Sustainable Tourism Planning
SFR 528 Qualitative Data Analysis Natural Resources
INT 527 Integration of GIS and Remote Sensing Data Analysis in Natural Resource Applications
SFR 504 Rural Communities: Theory and Practice
ANT 597: Research Design and Methods
ANT 550 Anthropological Dimensions of Environmental Policy
ANT 553 Institutions and the Management of Common Pool Resources
ANT 564 Ecological Anthropology
CMJ 580 Environmental Communication
CMJ 604 Qualitative Communication Research Methods
ANT 500 Advanced Social Theory
PSY 561 Advanced Social Psychology
PSY 630 Current Topics in Social Psychology
EHD 571 Qualitative Research: Theory, Design, and Practice
SMS 552 Coupled Natural & Human Systems
SMS 567 Knowledge and Participation in the Science Policy Process
ECO 581 Agent-based Modeling
SFR 544 Forest Economics
SFR 617 Forest Policy
ECO 527 Regional Economics: Modeling