

# Directed Electives

*Bachelor of Landscape Architecture Program*

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## COMPUTER COURSES

*Requirement: One Computer Course from approved list, or a substitute approved by petition to Curriculum Committee.*

### *Recommended Basic Courses*

ARCH 380	3cr	ASp	Computers in Architecture
GEOG 360	5cr	ASp	Principles of Cartography
LARCH 440	3cr	W	Computers in Landscape Architecture
CFR 250 5cr	AW		Introduction to Geographic Information Systems in Forest Resources

### *Recommended Advanced Courses*

ARCH 416	3cr	AW	Freehand Drawing & the Digital Realm
ARCH 417	3cr	Sp	Advanced Topics in Digital Drawing <i>Prerequisite: ARCH 416</i>
ARCH 478	4cr	ASpS	CAD and Working Drawings <i>Prerequisite: ARCH 380; CM 313</i>
ARCH 481	3cr	Asp	3D Modeling & Rendering <i>Prerequisite: ARCH 380</i>
ARCH 482	3cr	A	Web Weaving
ARCH 483	3cr	W	Design of Virtual Environments
ARCH 484	3cr	W	Design Computing Seminar
ARCH 485	3cr	W	Digital Craft Workshop: Advanced Projects in CAD
ARCH 486	3cr	ASp	Computer Graphics Programming for Design
GEOG 426	5cr	Sp	Quantitative Methods in Geography <i>Recommended: GEOG 326</i>
GEOG 443	5cr		Location and Movement Models
GEOG 460	5cr	A	Geographic Information Systems Analysis <i>Prerequisite: 2.0 in GEOG 360</i>
GEOG 461	5cr	W	Urban Geographic Information Systems <i>Prerequisites: 2.0 in GEOG 360</i> <i>Recommended: GEOG 277</i>
GEOG 463	5cr	Sp	Geographic Information Systems Workshop <i>Prerequisite: either 2.0 in GEOG 460 or 2.0 in GEOG 461</i>
GEOG 471	5cr		Methods of Resource Analysis <i>Recommended: GEOG 370</i>
CSE 142 4cr	AWSpS		Computer Programming I
CSE 143 5cr	AWSpS		Computer Programming II
LARCH 498	3cr	Sp	Landscape CAD
URBDP 420	3cr		Database Systems and Planning Analysis
URBDP 422	5cr	W	Urban and Regional Geospatial Analysis <i>Prerequisite: 3.0 in URBDP 420</i>
URBDP 429	3cr		Computer-Aided Planning of Urban Systems <i>Offered jointly with CEE 418</i>

## ECOLOGY COURSES

*Requirement: One course from the approved list below; or other UW course approved in writing by faculty adviser on Course Proposal form; or course from another school approved by petition to the departmental Curriculum Committee.*

ANTH 457	5cr		Ecological Anthropology
ANTH 458	5cr		Ethnobiology: Plants, Animals and People <i>Prerequisite: either BIO A 201, ARCHY 205, or one 200-level ANTH course</i>
ANTH 459	5cr		Culture, Ecology and Politics <i>Offered jointly with ENVIR 459</i>
ANTH 488	5cr		Agroecology
BIO A 387	5cr		Ecological Perspectives on Environmental Stress, Adaptation, and Health <i>Prerequisite: BIO A 201</i>
BIO A 475	5cr		Environmental Impacts of Small Scale Societies <i>Offered jointly with ENVIR 475</i>
BIOL 333	5cr		Plant Communities: Resilience and Restoration <i>Prerequisites: BOT 113 and BIOL 102, BIOL 180 or BIOL 203 or equivalent. Offered jointly with ESC 333</i>
BIOL 340	5cr		Genetics and Molecular Ecology <i>Prerequisite: either BIOL 102 or BIOL 200 Offered jointly with FISH 340</i>
BIOL 354	3cr		Foundations in Evolution and Systematics <i>Prerequisite: either BIOL 102 or BIOL 180</i>
BIOL 356	3cr		Foundation in Ecology <i>Prerequisite: either BIOL 102 or BIOL 180</i>
BIOL 437	5cr	A	Origins of Our Modern Floras <i>Prerequisite: BOT 113; either BIOL 102, BIOL 180, or BIOL 203</i>
BIOL 438	5cr		Biological Monitoring and Assessment <i>Offered jointly with FISH 438</i>
BIOL 441	5cr	A	Morphology and Anatomy of Land Plants <i>Prerequisite: BIOL 220 Recommended: BIOL 317</i>
BIOL 456	5cr	Sp(even)	Vegetation of Western Washington <i>Prerequisites: either BIOL 117 or BIOL 317</i>
BIOL 471	5cr	A	Plant Ecology <i>Prerequisite: either BIOL 102, BIOL 180 or BIOL 203</i>
BIOL 472	5cr	Sp(odd years)	Community Ecology <i>Prerequisite: BIOL 356 and a solid foundation in Math and Physics</i>
BIOL 476	5cr		Conservation Biology <i>Prerequisite: either BIOL 102 or BIOL 203</i>
BIOL 479	5cr	S	Alpine Plant Ecology <i>Prerequisite: either BIOL 102, BIOL 180 or BIOL 203</i>
BIOL 480	4cr	Sp	Field Ecology <i>Prerequisite: BIOL 472</i>
CFR 302	5cr		Sustainability in Production Lands <i>Prerequisite: BIOL 102</i>
CFR 474	5cr	A	Problem Analysis in Urban Ecology <i>Offered jointly with GEOG 486/ENVIR 474</i>
CFR 475	5cr	W	Applied Theory and Methods in Urban Ecology <i>Prerequisite: CFR 474/ENVIR496/GEOG 486 Offered jointly with ENVIR 487/GEOG 487</i>
CFR 476	5cr	Sp	Research in Urban Ecology <i>Prerequisite: CFR 475/GEOG 487/ENVIR 487 Offered jointly with GEOG 488/ENVIR 488</i>

EHUF 201	3cr	A	Ecology of Urban Environments
EHUF 362	5cr	A	Introduction to Restoration Ecology
EHUF 451	5cr	Sp	Urban Plant Protection
EHUF 462	2cr		Restoration Ecology Capstone: Introduction
EHUF 463	3cr		Restoration Ecology Capstone: Proposal and Plan <i>Prerequisite: EHUF 462</i>
EHUF 464	5cr	Sp	Restoration Ecology Capstone: Field Site Restoration <i>Prerequisite: EHUF 463</i> <i>Offered jointly with BES 464/TESS 464</i>
EHUF 470	5cr	SpS	Urban Forest Landscapes
EHUF 473	5cr	W	Principles of Ecological Restoration <i>Recommended: BIOL 472 or BOT 354 or BOT 371</i>
EHUF 475	5cr	A	Wetland Ecology and Management <i>Recommended: either BIOL 472, BOT 354 or BOT 371</i>
EHUF 477	5cr	AWSp	Wetland Restoration <i>Prerequisite: either BIOL 102, BIOL 180, or BIOL 203</i> <i>Recommended: either EHUF 473, EHUF 475, BOT 354, BOT 456 or BIOL 472</i>
EHUF 478	3cr	W	Horticultural Stress Physiology <i>Prerequisite: BOT 371</i>
ENVIR 415	3cr	S	Sustainability & Design for Environment <i>Offered jointly with CEE 495/ME 415</i>
ENVIR 439	1/3,max 3		Attaining a Sustainable Society <i>Offered jointly with FISH 439</i>
ENVIR 451	5cr		Comparative Historical and Social Ecology of the Tropics <i>Prerequisite: ANTH 210</i> <i>Offered jointly with ANTH 451</i>
ENVIR 459	5cr		Culture, Ecology and Politics <i>Offered jointly with ANTH 459</i>
ENVIR 460	3cr	W	Institutionalizing Sustainable Ecological Practices <i>Offered jointly with ESC 460</i>
ENVIR 474	5cr	A	Problem Analysis in Urban Ecology <i>Offered jointly with GEOG 486/CFR 474</i>
ENVIR 475	5cr		Environmental Impacts of Small Scale Societies <i>Offered jointly with BIO A 475</i>
ENVIR 487	5cr	W	Applied Theory and Methods in Urban Ecology <i>Prerequisite: either CFR 474 or GEOG 486</i> <i>Offered jointly with CFR 475/GEOG 487</i>
ENVIR 488	5cr	Sp	Research in Urban Ecology <i>Prerequisite: either ENVIR 486, CFR 475 or GEOG 487</i> <i>Offered jointly with CFR 476/GEOG 488</i>
ESC 320 5cr	Sp		Natural Resource Issues: Old-Growth & Forest Management
ESC 322 3cr	A		Forest Ecosystems
ESC 323 2cr	A		Forest Ecosystems Field Trips
ESC 333 5cr	Sp		Plant Communities: Resilience and Restoration <i>Prerequisite: BOT 113 and BIOL 102, BIOL 180 or BIOL 203 or equivalent.</i> <i>Offered jointly with BOT 333/BIOL 333</i>
ESC 350 4cr	W		Wildlife Biology and Conservation
ESC 402 5cr	Sp		Forest Conservation Biology
ESC 411 4cr	A(even years)		Forest Soil Microbiology <i>Recommended: ESC 210</i>
ESC 412 3cr	S		Field Survey of Wildland Soils
ESC 413 5cr	Sp		Soil Genesis and Classification <i>Recommended: ESC 210</i>
ESC 416 3cr	W		Introduction to Bioremediation
ESC 418 5cr	Sp		Compost and Organic Soil Amendments
ESC 432 4cr	A(odd years)		Forest Pathology
ESC 440 5cr	A		Theory and Case Studies of Ecosystem Management
ESC 441 5cr	W		Landscape Ecology

ESC 445 3cr	A		<i>Recommended: ESC 326</i>
ESC 450 5cr	W		Ecology of Managed Forests Wildlife Ecology and Conservation <i>Prerequisite: ESC 350</i>
ESC 460 3cr	W		Institutionalizing Sustainable Ecological Practices <i>Offered jointly with ENVIR 460</i>
FE 332	4cr	A	Ecological Basis of Forest Engineering
FISH 324	5cr		Biology & Culture of Aquatic Organisms: Sustainability & the Environment <i>Recommended: 10 credits of biology</i>
FISH 328	4cr	W	Forestry-Fisheries Interactions <i>Offered jointly with FM 328</i>
FISH 340	5cr		Genetics and Molecular Ecology <i>Prerequisite: either BIOL 102 or BIOL 200</i>
FISH 439	1/3, max.3	A	Attaining a Sustainable Society <i>Offered jointly with ENVIR 439</i>
FISH 447	3cr	W	Watershed Ecology and Management
FISH 454	3cr		Aquatic Wildlife Ecology
FM 328	4cr	W	Forestry-Fisheries Interactions <i>Offered jointly with FISH 328</i>
GEOG 486	5cr	A	Problem Analysis in Urban Ecology <i>Offered jointly with ENVIR 474/CFR 474</i>
GEOG 487	5cr	W	Applied Theory and Methods in Urban Ecology <i>Prerequisite: either GEOG 486, CFR 474, or ENVIR 486</i> <i>Offered jointly with CFR 475/ENVIR 487</i>
GEOG 488	5cr	Sp	Research in Urban Ecology <i>Prerequisite: either GEOG 487, CFR 475, or ENVIR 487</i> <i>Offered jointly with CFR 476/ENVIR 488</i>

## ENVIRONMENTAL HISTORY COURSES

*Requirement: 9 credits of environmental history, including LARCH 352, LARCH 353, and one additional course selected from the approved list below, or other UW course approved in writing by faculty adviser on Course Proposal Form, or equivalent course from another school approved by petition to the departmental Curriculum Committee.*

ANTH 331	5cr		Native Art of the Pacific Northwest Coast <i>Offered jointly with ART H 331</i>
ARCH 350	3cr		Architecture of the Ancient World
ARCH 351	3cr		Romanesque, Gothic and Renaissance Architecture <i>Recommended: ARCH 350</i>
ARCH 352	3cr		History of Modern Architecture <i>Recommended: ARCH 351</i>
ARCH 360	3cr		Introduction to Architectural Theory
ARCH 443	3cr		Iberoamerican Architecture I: Meso-America
ARCH 444	3cr		Iberoamerican Architecture II
ARCH 445	3cr		South Asian Architecture I
ARCH 446	3cr		South Asian Architecture II
ARCH 447	3cr		Universal Design
ARCH 450	3cr		Modern Architecture & the Decorative Arts
ARCH 451	3cr		Traditional Chinese Architecture & Gardens <i>Offered jointly with ART H 411</i>
ARCH 452	3cr		Characteristics of Puget Sound Architecture & Towns
ARCH 453	3cr		Japanese Architecture <i>Offered jointly with ART H 419</i>
ARCH 454	3cr		Greek Architecture

ARCH 455	3cr		<i>Offered jointly with ART H 446/CL AR 446</i> Special Studies in Gothic Art & Architecture
ARCH 456	3cr		<i>Offered jointly with ART H 455</i> Nineteenth Century Architecture <i>Offered jointly with ArtH 490</i>
ARCH 457	3cr		Twentieth-Century Architecture <i>Offered jointly with ART H 491</i>
ARCH 459	3cr		Architecture Since 1945 <i>Offered jointly with ART H 493</i>
ARCH 460	3cr		Design Theory and Analysis
ARCH 461	3cr		Recent Developments in Architectural Theory
ARCH 488	3cr		American Architecture <i>Offered jointly with ART H 488</i>
ART 334	5, max 15		Public/Professional Art Issues
ARTH 331	5cr		Northwest Coast Indian Arts <i>Offered jointly with ANTH 331</i>
HSTAA 221	5cr		Environmental History of the U.S.
LARCH 450	3cr		History of Environmental Design in the Pacific NW
LARCH 451	3cr		History of Environmental Design on the West Coast
LARCH 498	5cr	W	History of Public Art <i>Offered jointly with ART 334</i>
LARCH 498U	3cr	Sp	History of Urban Design and Planning
URBDP 460	3cr		History of City Development
URBDP 461	3cr		History of Urban Planning in the U.S.
URBDP 471	3cr		History of Urban Design <i>Offered jointly with LARCH 498U</i>

## ENVIRONMENTAL LEGISLATION COURSES

*Requirement: One course from the approved list below; or other UW course approved in writing on the Course Proposal Form by faculty adviser; or equivalent course from another school approved by petition to the departmental Curriculum Committee.*

ARCH 574	3cr	Spr	Design and Construction Law <i>Offered jointly with CM 500</i>
CM 423	3cr	Sp	Construction Law
CM 500	3cr	Spr	Design and Construction Law <i>Offered jointly with ARCH 574</i>
CFR 400 3cr	W		Natural Resource Conflict Management
CFR 470 5cr	A		Natural Resource Policy and Planning
ENVIR 415	3cr	S	Sustainability and Design for Environment <i>Offered jointly with CEE495/ME 415</i>
ENVIR 460	3cr	W	Institutionalizing Sustainable Ecological Practices <i>Offered jointly with ESC 460</i>
ENVIR 476	3cr	A	Introduction to Environmental Law and Processes <i>Offered jointly with SMA 476</i>
ESC 460 3cr	W		Institutionalizing Sustainable Ecological Practices <i>Offered jointly with ENVIR 460</i>

FM 320	3cr	A	Fundamentals of Marketing & Management from a Forest Products Perspective
FM 321	3cr	W	Fundamentals of Finance & Accounting from a Forest Products Perspective
FM 371	3cr	A	Forest Land Use Planning
FM 377	3cr	W	Environmental Impact Assessment & Regulation in Forest Resource Management
GEOG 474	5cr		Geography and the Law <i>Offered jointly with LSJ 474</i>
LAW 429	3cr		Public Land Law
LAW 442	3cr		Land Law and the Urban Environment <i>Open to law and non-law students</i>
LAW 481	1-6cr		Land, American Culture and the Law: Perspectives on the Use and Ownership of the Natural Environment
MGMT 200	5cr	AWSp	Introduction to Law
MGMT 321	4cr		Legal and Regulatory Environment of Business
POLS 383	5cr		Environmental Politics and Policy in the United States
POLS 422	5cr		International Environmental Politics Seminar
POLS 465	5cr		Law and Public Policy in the United States
URBDP 454	4cr		Introduction to Real Estate Finance <i>Offered jointly with CM 454</i>
URBDP 580	4cr		Legal & Administrative Framework for Planning
URBDP 585	3cr	Sp	Introduction to Historic Preservation Planning
ACCTG 401	3cr		Federal Income Tax Factors in Business Decisions

## FOREST RESOURCES

*Requirement: ESC 210 or ESC 311 are required, plus one additional course from this approved list, or other UW Forestry course approved in writing by faculty advisor on Course Proposal Form; or equivalent course from another school approved by petition to the departmental Curriculum Committee.*

CFR 301	5cr		Maintaining Nature in an Urban and Urbanizing World <i>Prerequisite: BIOL 102</i>
CFR 302	5cr		Sustainability in Production Lands <i>Prerequisite: BIOL 102</i>
CFR 303	5cr		Preserving and Conserving Wildlands <i>Prerequisite: BIOL 102</i>
CFR 304	5cr		Environmental and Resource Assessment <i>Prerequisite: Q SCI 381; STAT 311</i>
CFR 400	3cr	W	Natural Resource Conflict Management
CFR 470	5cr	A	Natural Resource Policy and Planning
CFR 474	5cr	A	Problem Analysis in Urban Ecology <i>Offered jointly with GEOG 486/ENVIR 474</i>
CFR 475	5cr	W	Applied Theory and Methods in Urban Ecology <i>Prerequisite: CFR 474/ENVIR496/GEOG 486</i> <i>Offered jointly with ENVIR 487/GEOG 487</i>
CFR 476	5cr	Sp	Research in Urban Ecology <i>Prerequisite: CFR 475/GEOG 487/ENVIR 487</i> <i>Offered jointly with GEOG 488/ENVIR 488</i>
ESC 200	5cr	Sp	Trees in Our Environment
ESC 202	3/5cr	W	Global Changes and Forest Biology

*Students taking this for 5cr must enroll in laboratory*

ESC 221	6cr	A	Dendrology and Autecology
ESC 250	5cr	W	Wildlife and Society
ESC 320	5cr	Sp	Natural Resource Issues: Old-Growth and Forest Management
ESC 322	3cr	A	Forest Ecosystems
ESC 323	2cr	A	Forest Ecosystems Field Trips <i>Corequisite: ESC 322</i>
ESC 326	3cr	Sp	Wildlife Habitat and Silviculture <i>Prerequisite: ESC 322; ESC 350</i>
ESC 333	5cr	Sp	Plant Communities: Resilience and Restoration <i>Prerequisites: BOT 113 and BIOL 102, BIOL 180 or BIOL 203 or equivalent. Offered jointly with BIOL 333</i>
ESC 350	4cr	W	Wildlife Biology & Conservation <i>Prerequisite: either BIOL 102, BIOL 180, BIOL 202, BIOL 203 or BIOL 220, any of which may be taken concurrently</i>
ESC 401	3cr		Spring Comes to the Cascades
ESC 402	5cr	Sp	Forest Conservation Biology
ESC 410	5cr	A(odd years)	Forest Soils and Site Productivity <i>Recommended: ESC 210</i>
ESC 411	4cr	A(even years)	Forest Soil Microbiology <i>Recommended: ESC 210</i>
ESC 412	3cr	S	Field Survey of Wildland Soils
ESC 413	5cr	Sp(even years)	Soil Genesis and Classification <i>Recommended: ESC 210</i>
ESC 414	3cr	Sp(odd years)	Forest Soil Fertility and Chemistry
ESC 432	4cr	A(odd years)	Forest Pathology
ESC 441	5cr	W	Landscape Ecology <i>Recommended: ESC 326</i>
ESC 450	5cr	W	Wildlife Ecology & Conservation <i>Prerequisite: ESC 350; Recommended: Introduction to Statistics</i>
ESC 451	3cr	A(odd years)	Biology and Conservation of Birds <i>Prerequisite: either BIOL 102, BIOL 180, BIOL 202, BIOL 203, BIOL 220, any of which may be taken concurrently</i>
ESC 452	3cr	A(odd years)	Field Ornithology <i>Prerequisite: either BIOL 102, BIOL 180, BIOL 202, BIOL 203, BIOL 220, any of which may be taken concurrently</i>
ESC 453	3cr	A(even years)	Biology and Conservation of Mammals <i>Prerequisite: ESC 350 Recommended: concurrent registration in ESC 454</i>
ESC 454	3cr	A(even years)	Biology and Conservation of Mammals Laboratory <i>Prerequisite: ESC 350 Recommended: concurrent registration in ESC 453</i>
ESC 457	3/5cr	W	Fish and Wildlife Toxicology <i>Offered jointly with FISH 455</i>
ESC 458	5cr	A	Management of Endangered, Threatened, and Sensitive Species
ESC 460	3cr	W	Institutionalizing Sustainable Ecological Practices <i>Offered jointly with ENVIR 460</i>
FE 330	4cr	Sp	Forest Engineering in Society
FE 332	4cr	A	Ecological Basis of Forest Engineering
FE 340	4cr	AspS	Plane Surveying
FE 341	4cr	A	Timber Harvesting <i>Prerequisite: FE 346; FE 368</i>
FE 345	5cr	Sp	Forest Surveying and Transportation
FE 346	4cr	W	Design of Low Volume Roads <i>Prerequisite: CEE 316</i>
FE 368	4cr	W	Natural Resources Measurement <i>Prerequisite: either IND E 315 or Q SCI 381</i>
FE 423	4cr	W	Watershed Analysis

FE 425	4cr	W	Wildland Hydrology
FE 430	3cr	Asp	Aerial Photos/Remote Sensing Natural Resources
FE 444	4cr	W	Introduction to Forest Engineering Design
FE 445	5cr	W	Management Science in Forest Engineering
FE 451	5cr	Sp	GIS-based Landscape Modeling <i>Prerequisite: either FE 423 or FM 425</i>
FE 452	5cr	Sp	Stream-Road System Interactions <i>Prerequisite: either FE 345 or FE 346</i>
FM 323	5cr	Sp	Silviculture
FM 324	5cr	W	Forest Protection
FM 328	4cr	W	Forestry-Fisheries Interactions
FM 360	5cr	AW	Forest Management and Economics I <i>Prerequisite: ECON 200; either MATH 124, MATH 127 or QSCI 292</i> <i>Recommended: course in economic principles, college algebra</i>
FM 377	3cr	W	Environmental Impact Assessment and Regulation in Forest Resource Mgmt.
FM 381	3cr	Sp	Management of Wildland Recreation and Amenities
FM 402	4cr		Forest and Economic Development in the Developing World
FM 422	3cr	W	Marketing of Forest Products
FM 423	3cr	Sp	International Marketing of Forest Products
FM 425	3cr	W	Ecosystem Management <i>Prerequisite: FM 323</i>
FM 435	3cr	A	Forest Entomology
FM 436	2cr	A	Laboratory in Forest Entomology
FM 461	4cr	W	Forest Management and Economics II <i>Prerequisite: FM 360</i>
FM 464	3cr		Economics of Conservation
EHUF 362	5cr	A	Introduction to Restoration Ecology
EHUF 401	3cr		Urban Forest Management
EHUF 402	3cr	W	Curation and Education in Public Gardens
EHUF 411	3 cr	Sp	Plant Propagation Principles and Practices
EHUF 451	5cr	Sp	Urban Plant Protection
EHUF 462	2cr		Restoration Ecology Capstone: Introduction
EHUF 463	3cr		Restoration Ecology Capstone: Proposal and Plan <i>Prerequisite: EHUF 462</i>
EHUF 464	5cr	Sp	Restoration Ecology Capstone: Field Site Restoration <i>Prerequisite: EHUF 463</i> <i>Offered jointly with BES 464/TESC 464</i>
EHUF 470	5 cr	SpS	Urban Forest Landscapes
EHUF 473	5 cr	W	Principles of Ecological Restoration <i>Recommended: BIOL 472 or BOT 354 or BOT 371</i>
EHUF 475	5 cr	A	Wetland Ecology and Management <i>Recommended: either BIOL 472, BOT 354 or BOT 371</i>
EHUF 477	5cr	AWSp	Wetland Restoration <i>Prerequisite: either BIOL 102, BIOL 180, or BIOL 203</i> <i>Recommended: either EHUF 473, EHUF 475, BOT 354, BOT 456 or BIOL 472</i>
EHUF 478	3 cr	W	Horticultural Stress Physiology <i>Prerequisite: BOT 371; BIOL 102</i>
EHUF 481	2cr	A	Field Practicum in Plant Selection and Management <i>Prerequisite: EHUF 480, which may be taken concurrently</i>
EHUF 482	2cr	Sp	Field Practicum in Plant Selection and Management <i>Prerequisite: EHUF 480, which may be taken concurrently</i>

## URBAN DESIGN AND PLANNING

*Requirement: One course selected from the approved list below, or another UW course approved in writing by the faculty adviser on the Course Proposal Form, or course from another school approved by petition to the departmental Curriculum Committee.*

URBDP 300	5cr		Introduction to Urban Planning
URBDP 370	5 cr		Reading the City
URBDP 420	3cr		Database Systems and Planning Analysis
URBDP 422	5cr	W	Urban and Regional Geospatial Analysis <i>Prerequisite: 3.0 in URBDP 420</i>
URBDP 451	3cr		Housing <i>Prerequisite: 3.0 in URBDP 300</i>
URBDP 452	3cr		Urban Development and Spatial Structure
URBDP 453	4cr		Introduction to Urban Economics and Development <i>Offered jointly with CM 453</i>
URBDP 454	4cr		Introduction to Real Estate Finance <i>Offered jointly with CM 454</i>
URBDP 455	5cr		Introduction to Real Estate Development Processes <i>Offered jointly with CM 455</i>
URBDP 460	3cr		History of City Development
URBDP 461	3cr		History of Urban Planning in the United States
URBDP 465	3cr		Land Use
URBDP 466	4cr		Infra Structure and Community Facilities
URBDP 467	3cr		Urban Planning Uses of Remote Sensing
URBDP 468	3cr		Land Use From Satellite Data
URBDP 470	3cr		Introduction to Urban Design
URBDP 471	3cr		History of Urban Design
LARCH 498U	3cr	Sp	History of Urban Design and Planning
URBDP 479	3cr		The Urban Form
URBDP 481	3cr		Metropolitan Planning and Development in Developing Countries
URBDP 482	3cr		Politics and Planning
URBDP 580	4cr		Legal & Administrative Framework for Planning
URBDP 585	3cr	Sp	Introduction to Historic Preservation Planning

# Free Electives

Bachelor of Landscape Architecture Program

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## GEOGRAPHY

The following courses are recommended for BLA students to consider as a free elective.

### INTRODUCTION TO GEOGRAPHY

GEOG 205	5cr		Introduction to the Physical Sciences and the Environment
GEOG 207	5cr	AWS	Economic Geography
GEOG 258	5cr	W	Maps and GIS
GEOG 277	5cr		Geography of Cities

### SYSTEMATIC FIELDS

GEOG 301	5cr		Cultural Geography
GEOG 342	5cr		Geography and Inequality
GEOG 350	5cr	Sp	Local Economies and Market Areas <i>Recommended: GEOG 207</i>
GEOG 370	5cr	Sp	Problems in Resource Management
GEOG 440	5cr	Sp	Regional Analysis <i>Recommended: GEOG 207</i>
GEOG 442	5cr		Social Geography
GEOG 443	5cr		Location and Movement Models
GEOG 448	5cr		Geography of Transportation
GEOG 450	5cr	A	Theories of Location <i>Recommended: GEOG 207</i>
GEOG 461	5cr	W	Urban Geographic Information Systems <i>Prerequisite: 2.0 in GEOG 360</i> <i>Recommended: GEOG 277</i>
GEOG 471	5cr		Methods of Resource Analysis <i>Recommended: GEOG 370</i>
GEOG 472	5cr	Sp	Ecscapes: Nature, Culture, and Place
GEOG 474	5cr		Geography and the Law <i>Offered jointly with LSJ 474</i>
GEOG 477	5cr	Sp	Advanced Urban Geography <i>Recommended: GEOG 277</i>
GEOG 478	5cr	Sp	Intraurban Spatial Patterns <i>Recommended: GEOG 277</i>
GEOG 486	5cr	A	Problem Analysis in Urban Ecology <i>Offered jointly with ENVIR 474/CFR 474</i>
GEOG 487	5cr	W	Applied Theory and Methods in Urban Ecology <i>Prerequisite: either GEOG 486, CFR 474, or ENVIR 486</i> <i>Offered jointly with CFR 475/ENVIR 487</i>
GEOG 488	5cr	Sp	Research in Urban Ecology <i>Prerequisite: either GEOG 487, CFR 475, or ENVIR 487</i> <i>Offered jointly with CFR 476/ENVIR 488</i>
GEOG 490	6cr		Field Research: The Seattle Region

### REGIONAL FIELDS

GEOG 302	3cr	W	The Pacific Northwest
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GEOG 308	5cr	Sp	Canada: A Geographic Interpretation <i>Offered jointly with SISCA 308</i>
GEOG 372	5cr	W	Asian Sustainable Development <i>Offered jointly with SISA 372</i>
GEOG 433	5cr	W (odd years)	Resource Use and Management in Russia and the Newly Independent States
GEOG 434	5 cr		Southeast Asia: Conflict and Development
GEOG 435	5cr	Sp	Industrialization and Urbanization in China

#### CARTOGRAPHY

GEOG 360	5cr	ASp	Principles of Cartography
GEOG 458	5cr	W (odd years)	Map Sources and Errors <i>Prerequisite: 2.0 in GEOG 360</i>
GEOG 460	5cr	A	Geographic Information Systems Analysis <i>Prerequisite: 2.0 in GEOG 360</i>
GEOG 461	5cr	W	Urban Geographic Information Systems <i>Prerequisite: 2.0 in GEOG 360</i> <i>Recommended: GEOG 277</i>
GEOG 463	5cr	Sp	Geographic Information Systems Workshop <i>Prerequisite: either 2.0 in GEOG 460 or 2.0 in GEOG 461</i>
GEOG 465	5cr	W(odd years)	Analytical Cartography <i>Prerequisites: 2.0 in GEOG 460 or 2.0 in GEOG 461</i>

#### INTRODUCTORY RESEARCH TECHNIQUES

GEOG 326	5cr	W	Introduction to Geographic Research
GEOG 426	5cr	Sp	Quantitative Methods in Geography <i>Recommended: GEOG 326</i>

### **SOCIAL SCIENCE**

*The following courses are recommended for BLA students to consider as a free elective.*

#### ANTHROPOLOGY

ANTH 421	5cr		Belief, Ritual, and the Structure of Religion <i>Prerequisite: ANTH 321 or RELIG 201, 202</i>
ANTH 457	5cr		Ecological Anthropology.
ANTH 458	5cr		Ethnobiology: Plants, Animals and People <i>Prerequisites: either BIO A 201, ARCHY 205, or one 200-level ANTH course</i>
ANTH 459	5cr		Culture, Ecology and Politics <i>Offered jointly with ENVIR 459</i>
ANTH 488	5cr		Agroecology

#### ARCHITECTURE

ARCH 380	3cr	ASp	Computers in Architecture
ARCH 313	3cr	AWS	Introduction to Architectural Photography <i>Must provide own 35mm or larger camera with manual operating controls.</i>
ARCH 413	3cr	Sp	Architectural Photography Projects <i>Prerequisite: ARCH 313</i>
ARCH 415	3cr		Architectural Sketching <i>Recommended: ARCH 210 or ART 121</i>
ARCH 416	3cr	AW	Freehand Drawing and the Digital Realm
ARCH 417	3cr	Sp	Advanced Topics in Digital Drawing <i>Prerequisite: ARCH 416</i>
ARCH 418	3cr		Watercolor Drawing <i>Recommended: ARCH 210 or ART 121</i>

ARCH 478	4cr	ASpS	CAD and Working Drawings <i>Prerequisite: ARCH 380; CM 313</i>
ARCH 483	3cr	W	Design of Virtual Environments

### ECONOMICS

ECON 200	5cr	AWSpS	Introduction to Microeconomics <i>Recommended: MATH 111</i>
ECON 201	5cr	AWSpS	Introduction to Macroeconomics <i>Prerequisite: ECON 200</i> <i>Recommended: MATH 111</i>
ECON 403	5cr		The Economics of Property Rights <i>Prerequisite: ECON 300. Recommended: two 400 level microeconomics courses.</i>
ECON 435	5cr		Natural Resource Economics <i>Prerequisite: ECON 300</i>
ECON 436	5cr		Economics of the Environment <i>Prerequisite: ECON 300</i>

### FOREST RESOURCES

FM 464	3cr		Economics of Conservation
FM 481	3cr	W	Management of Wildland Recreation and Amenities

### POLITICAL SCIENCE

POLS 303	5cr		Public Policy Formation in the United States
POLS 351	5cr		The American Democracy
POLS 383	5cr		Environmental Politics and Policy in the United States
POLS 422	5cr		International Environmental Politics Seminar
POLS 452	5cr		Mass Media and Public Opinions
POLS 453	5cr		The State Legislature
POLS 465	5cr		Law and Public Policy in the United States
POLS 481	5cr		Big City Politics

### PSYCHOLOGY

PSYCH 209	5cr	AWSpS	Fundamentals of Psychological Research <i>Prerequisite: 2.0 in PSYCH 101 or 102</i>
PSYCH 306	5cr	AWSpS	Developmental Psychology <i>Prerequisite: 2.0 in PSYCH 202; 2.0 in PSYCH 209</i>
PSYCH 345	5cr	AWSpS	Social Psychology <i>Prerequisite: 2.0 in PSYCH 209</i>
PSYCH 355	5cr	AWSpS	Survey of Cognitive Psychology <i>Prerequisite: 2.0 in PSYCH 202; 2.0 in PSYCH 209</i>
PSYCH 441	5cr		Perceptual Process <i>Prerequisite: PSYCH 333</i>
PSYCH 445	5cr		Theories of Social Psychology <i>Prerequisite: PSYCH 345</i>
PSYCH 503	4cr	W	Developmental Psychology and the Human Relationship to Nature

### SOCIOLOGY

SOC 240 5cr	AWSp		Introduction to Social Psychology: Perspectives on Individual Behavior
SOC 279 3cr	W		Human Ecology and the Forest Ecosystem

SOC 328 5	AWS	Methodology of Sociological Research <i>Not open for credit to students who have taken SOC 320 or 323</i>
SOC 329 5cr	WSpS	Methodology of Sociological Research <i>Not open for credit to students who have taken SOC 320 or 323</i>
SOC 330 5cr		Human Ecology
SOC 331 5cr		Population and Society
SOC 346 5cr		Group Processes
SOC 352 5cr		The Family
SOC 356 5cr		Society and Politics <i>Offered jointly with POLS 356</i>
SOC 360 5cr		Introduction to Social Stratification
SOC 361 3cr		Age and Sex Differentiation
SOC 362 5cr		Race Relations
SOC 364 5cr		Women in the Social Structure
SOC 365 5cr		Urban Community
SOC 410 5cr		History of Sociological Thought
SOC 416 5cr		Sociological Theory
SOC 451 5cr		Theory and Process of Social Change

### WOMEN STUDIES

WOMEN 283	5cr	A	Introduction to Women's History <i>Offered jointly with HIST 283.</i>
WOMEN 310	5cr		Women and the Law
WOMEN 313	5cr		Women in Politics <i>Offered Jointly with POLS 313</i>
WOMEN 333	5cr		Gender and Globalization: Theory and Process <i>Offered jointly with SIS 333</i>
WOMEN 345	5cr		Women and International Economic Development <i>Offered jointly with ANTH 345/SIS 345</i>
WOMEN 353	5cr	W	Anthropological Studies of Women <i>Offered Jointly with ANTH 353</i>
WOMEN 383	5cr	W	Social History of American Women <i>Recommended: WOMEN 200, WOMEN 283 or HSTAA 201</i> <i>Offered Jointly with HSTAA 373</i>

### **COMMUNICATION/SPEECH**

*There is no requirement for a course in speech. However, it is strongly recommended that proficiency in public speaking be attained. The following courses are recommended for BLA students to consider as a free elective.*

COM 220	5cr		Introduction to Public Speaking
COM 251	5cr		Interviewing
COM 273	3cr		Parliamentary Procedure
COM 320	5cr		Public Speaking <i>Prerequisite: COM 220</i>
COM 334	5cr		Essentials of Argument.
COM 373	5cr		Communication in Small Groups
COM 375	5cr		Communication Ethics
COM 382	5cr		Social Scientific Approaches to Communication Research
COM 402	5cr		New Media as Virtual Communities
COM 406	5cr		Public Discourse on the Internet
COM 414	5cr		Mass Media and Public Opinion
COM 417	5cr		Political Deliberation <i>Recommended: either COM 273 or COM 373</i>
COM 418	5cr		Communications and the Environment <i>Offered jointly with ENVIR 418</i>
COM 434	5cr		Argumentation Theory <i>Prerequisite: either COM 220 or COM 334</i>

COM 471	5cr	Persuasion
COM 472	5cr	Empirical Approaches to Interpersonal Communication
COM 473	3cr	Problems of Discussion Leadership <i>Prerequisite: COM 473</i>
COM 474	5cr	Communication, Conflict, and Cooperation
COM 475	5cr	Organizational Communication
COM 476	5cr	Models and Theories in Speech Communication
COM 478	5cr	Intercultural Communication
COM 479	5cr	Communication in Children's Environments