BCIA CREDENTIAL COMMITTEE REVIEW OF UNBC COURSES (2012)

The following courses are for consideration toward P.Ag designation and membership in BCIA for UNBC graduates who have taken them. The BCIA credential committee has reviewed the courses and classified the courses into three categories: 1) Acceptable for consideration, 2) Unacceptable for consideration, and 3) subject to further review by BCIA for consideration. “Subject to further review” is an indication that BCIA will not automatically accept the course; however, if the course is within a mix of strong agrology relate courses or is tailored towards an agrology discipline then the course may be considered.

When reviewing the courses the committee continued to reference how the subject course contributes to the field of agrology. Many courses may individually contribute as eligible courses towards a P.Ag designation; however, the “collective” intent of the degree must be within the scope of the field of agrology (i.e. a degree in pure biology may not meet the agrology field of practice).

*The term* ***agrology*** *means using agricultural and natural sciences and agricultural and resource economics, including collecting or analyzing data or carrying out research or assessments, to design, evaluate, advise on, direct or otherwise provide professional support to*

1. *The cultivation, production, improvement, processing or marketing of aquatic or terrestrial plants or animals, or*
2. *The classification, management, use, conservation, protection, restoration, reclamation or enhancement of aquatic or terrestrial ecosystems that are affected by, sustain, or have the potential to sustain the cultivation or production of aquatic or terrestrial plants or animals.*

Biology Courses

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| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **BIOL 201 – Ecology** | X |  |  |
| **BIOL 202 – Invertebrate Zoology** | X |  |  |
| **BIOL 203 – Microbiology** | X |  |  |
| **BIOL 204 – Plant Biology** | X |  |  |
| **BIOL 210 – Genetics**  | X |  |  |
| **BIOL 301 – Systematic Botany** | X |  |  |
| **BIOL 302 – Limnology**  | X |  |  |
| **BIOL 304 – Plants, Society and the Environment** | X |  |  |
| **BIOL 307 – Icthyology and Herpetology** | X |  |  |
| **BIOL 308 – Ornithology and Mammalogy** | X |  |  |
| **BIOL 311 – Cell and Molecular Biology** | X |  |  |
| **BIOL 312 – Molecular Cell Physiology** | X |  |  |
| **BIOL 315 – Animal Diseases and Parasites** | X |  |  |
| **BIOL 318 – Fungi and Lichens** | X |  |  |
| **BIOL 321 – Animal Physiology** | X |  |  |
| **BIOL 322 – Entomology** | X |  |  |
| **BIOL 323 – Evolutionary Biology** | X |  |  |
| **BIOL 325 – Ecological Analyses** | X |  |  |
| **BIOL 333 – Field Camp** |  |  | X |
| **BIOL 350 – Ethnobotany** | X |  |  |
| **BIOL 402 – Aquatic Plants** | X |  |  |
| **BIOL 404 – Plant Ecology** | X |  |  |
| **BIOL 406 – Fish Ecology** | X |  |  |
| **BIOL 410 – Population and Community Ecology** | X |  |  |
| **BIOL 411 – Conservation Biology** | X |  |  |
| **BIOL 412 – Wildlife Ecology** | X |  |  |
| **BIOL 413 – Wildlife Management** | X |  |  |
| **BIOL 414 – Fisheries Management** | X |  |  |
| **BIOL 420 – Animal Behaviour** | X |  |  |
| **BIOL 421 – Insects, Fungi and Society** | X |  |  |
| **BIOL 423 – Molecular Evolution and Ecology** |  |  | X |
| **BIOL 424 – Molecular Cell Physiology** |  |  | X |
| **BIOL 425 – Applied Genetics and Biotechnology** |  |  | X |
| **BIOL 440 – Internship**  |  | X |  |

Environmental Planning Courses

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| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **ENPL 305 – Environmental Impact Assessment** | X |  |  |
| **ENPL 313 – Rural Community Economic Development** | X |  |  |
| **ENPL 319 – Social Research Methods** |  | X |  |
| **ENPL 401 – Environmental Law** | X |  |  |
| **ENPL 402 – Terrain Assessment** | X |  |  |
| **ENPL 410 – Land Use Planning** | X |  |  |

Environmental Sciences Courses

|  |  |  |  |
| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **ENSC 308 – Northern Contaminated Environments** | x |  |  |
| **ENSC 312 – Boundary-layer Meterology** |  |  | X |
| **ENSC 325 – Soil Physical Processes and the Environment** | X |  |  |
| **ENSC 350 – Fluid Mechanics** | X |  |  |
| **ENSC 404 – Waste Management** | X |  |  |
| **ENSC 406 – Environmental Modelling** | X |  |  |
| **ENSC 408 – Storms** |  |  | X |
| **ENSC 418 – Environmental Measurement and Analysis** | X |  |  |
| **ENSC 425 – Climate Change and Global Warming** | X |  |  |
| **ENSC 430 – Undergraduate Thesis** |  | x |  |
| **ENSC 435 – Soil Biological Processes and the Environment** | X |  |  |
| **ENSC 450 – Geophyiscal Data Analysis**  | X |  |  |
| **ENSC 451 – Groundwater Hydrology** | X |  |  |
| **ENSC 452 – Reclamation and Remediation of Disturbed Environments** | X |  |  |
| **ENSC 453 – Environmental Resource Management and Decision Making** | X |  |  |
| **ENSC 460 – Soil Chemical Process and the Environment** | X |  |  |
| **ENSC 498 – Special Topics** |  |  | X |
| **ENSC 499 – Independent Study** |  |  | X |

Environmental Studies Courses

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| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **ENVS 325 – Global Environmental Change: Science and Policy** | X |  |  |
| **ENVS 326 – Natural Resources, Environmental Issues and Public Engagement** |  | X |  |
| **ENVS 414 – Environmental and Professional Ethics** | X |  |  |

Forestry Courses

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| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **FSTY 305 – Silviculture** | X |  |  |
| **FSTY 307 – Disturbance Ecology and Forest Health** | X |  |  |
| **FSTY 310 – Forest Economics** | X |  |  |
| **FSTY 317 – Forest Disturbance Agents** | X |  |  |
| **FSTY 405 – Forest Growth and Yield** | X |  |  |
| **FSTY 408 – Forest Practices and Management** | X |  |  |
| **FSTY 415 – Forest Soils** | X |  |  |
| **FSTY 425 – Soil Formation and Classification** | X |  |  |

Geography Courses

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| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **GEOG 300 – Geographical Information Systems** | X |  |  |
| **GEOG 310 – Hydrology** | X |  |  |
| **GEOG 311 – Drainage Basic Geomorphology** | X |  |  |
| **GEOG 312 – Geomorphology of Cold Regions** | X |  |  |
| **GEOG 320 – Sedimentology**  |  | X |  |
| **GEOG 401 – Resource Geography** |  | X |  |
| **GEOG 405 – Fluvial Geomorphology** | X |  |  |
| **GEOG 411 – Quaternary and Surficial Geology** | X |  |  |
| **GEOG 413 – Advanced GIS** |  |  | X |
| **GEOG 414 – Weathering Processes** |  | X |  |
| **GEOG 430 – Undergraduate Thesis** |  | X |  |
| **GEOG 432 – Remote Sensing** |  |  | X |
| **GEOG 457 – Advanced Remote Sensing** |  | X |  |
| **GEOG 498 – Special Topics** |  |  | X |
| **GEOG 499 – Independent Studies** |  |  | X |

Natural Resources Management Courses

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| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **NREM 303 – First Nations’ Approaches to Resource Management** | X |  |  |
| **NREM 306 – Society, Policy and Administration** | X |  |  |
| **NREM 333 – Field Applications in Resource Management** |  |  | X |
| **NREM 400 – Natural Resources Planning** | X |  |  |
| **NREM 410 – Watershed Management** | X |  |  |
| **NREM 411 – Environmental and Professional Ethics** | X |  |  |
| **NREM 413 – Agroforestry** | X |  |  |

Natural Resources and Environmental Studies Courses

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| --- | --- | --- | --- |
| Course | Acceptable | Unacceptable | Subject to review by BCIA |
| **NRES 421 – Professional Writing** |  | X |  |
| **NRES 422 – Undergraduate Report** |  | X |  |
| **NRES 430 – Undergraduate Thesis** |  | X |  |