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| ***Degree Program(s) Name(s)***  ***Academic Year*** |
| ***Department Name***  ***School Name***  **Dixie State University** |
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| **INSTRUCTIONS**: Outline the program courses in the second column of the grid and the Program Learning Outcomes (PLOs) in the second row of the grid. Conceptualize the extent to which each course addresses each PLO.  Use the following scoring scheme to indicate whether each PLO is introduced, developed, and/or mastered in the information/material presented to the students for each course.   |  |  | | --- | --- | | **I = Introduce** | Learning outcomes are introduced at the basic level. | | **D = Develop** | Students are given opportunities to practice, learn more about and receive feedback to develop more sophistication in the outcome. | | **M = Mastery** | Students demonstrate mastery at a level appropriate for graduation. |   A course may only introduce an outcome during the course or it may both introduce and develop an outcome. On the other hand, it is possible that a course may not introduce, but rather develop students’ knowledge/ability in a given outcome. It is also possible that a course would introduce, develop, and demonstrate mastery of the outcome. |

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|  |  | **Program Learning Outcomes** | | | | | | |
|  |  | **PLO 1** | **PLO 2** | **PLO 3** | **PLO 4** | **PLO 5** | **PLO 6** |  |
| **Program Courses** | BIOL 1001: Intro to the Biology Major |  | I |  | I |  |  |
| BIOL 1610: Principles of Biology I | I | I | I | I |  |  |
| BIOL 1615: Principles of Biology I Lab | I | I | I | I |  |  |
| BIOL 1620: Principles of Biology II | I | I | I | I | I | I |
| BIOL 1625: Principles of Biology II Lab | I | I | I | I | I | I |
| BIOL 2060: Principles of Microbiology | D, M |  |  |  |  |  |
| BIOL 2065: Principles of Microbiology Lab | D, M | D |  |  |  |  |
| BIOL 2320: Human Anatomy | I, D |  |  |  |  |  |
| BIOL 2325: Human Anatomy Lab | I, D |  |  |  |  |  |
| BIOL 2350: Fall Flora | I | I | I |  |  |  |
| BIOL 2355: Fall Flora Lab | I | I | I |  |  |  |
| BIOL 2360: Spring Flora | I | I | I |  |  |  |
| BIOL 2365: Spring Flora Lab | I | I | I |  |  |  |
| BIOL 2370: Economic Botany | I | I | I |  |  |  |
| BIOL 2400: Plant Kingdom | I, D | I, D | I, D |  |  |  |
| BIOL 2405: Plant Kingdom Lab | I, D | I, D | I, D |  |  |  |
| BIOL 2420: Human Physiology | I, D |  |  | I |  |  |
| BIOL 2425: Human Physiology Lab | I, D | I |  |  |  |  |
| BIOL 3000: Rural Health Scholars |  |  |  |  |  |  |
| BIOL 3010: Biological Evolution | D, M |  | D | D | D |  |
| BIOL 3030: Molecular Genetics | D, M |  | D | D |  |  |
| BIOL 3040: Ecology | D, M |  | D | D |  |  |
| BIOL 3045: Ecology Lab | D, M | D | D | D | D | D |
| BIOL 3100: Bioethics |  |  | D | D | D | D |
| BIOL 3110: Scientific Writing |  |  | D | D | D |  |
| BIOL 3140: Comp. Vertebrate Anatomy | D, M |  |  | D |  |  |
| BIOL 3145: Comp. Vertebrate Anatomy Lab | D, M |  |  | D |  |  |
| BIOL 3150: Introduction to Biometry |  | D, M | D, M | D, M | D, M | D, M |
| BIOL 3155: Introduction to Biometry Lab |  | D, M | D, M | D, M | D, M | D, M |
| BIOL 3200: Invertebrate Zoology | D, M | D | D | D | D |  |
| BIOL 3205: Invertebrate Zoology Lab | D, M | D | D | D | D |  |
| BIOL 3230: Cadaver Practicum |  |  |  |  |  |  |
| BIOL 3250: Cancer Biology | D, M |  | D | D |  |  |
| BIOL 3340: Plant Anatomy | D, M | D | D | D |  | D |
| BIOL 3345: Plant Anatomy Lab | D, M | D | D | D |  | D |
| BIOL 3360: Developmental Biology | D, M | D | D | D | D |  |
| BIOL 3450: General Microbiology | D, M |  | D | D | D | D |
| BIOL 3455: General Microbiology Lab | D, M | D | D | D | D | D |
|  | BIOL 3460: Biology of Infectious Disease | D, M |  |  | D |  | D |  |
|  | BIOL 3470: Introduction to Immunology | D, M |  |  | D |  |  |  |
|  | BIOL 3550: Eukaryotic Cell Biology | D, M |  | D | D | D |  |  |
|  | BIOL 3555: Eukaryotic Cell Biology Lab | D, M | D |  |  |  |  |  |
|  | BIOL 4190: Mammalian Histology | D, M | D, M | D, M | D, M |  |  |  |
|  | BIOL 4195: Mammalian Histology Lab | D, M | D, M |  |  |  |  |  |
|  | BIOL 4200: Plant Taxonomy | D, M | D, M | D, M | D, M |  |  |  |
|  | BIOL 4205: Plant Taxonomy Lab | D, M | D, M | D, M | D, M |  |  |  |
|  | BIOL 4230: General Parasitology | D, M |  |  | D, M |  |  |  |
|  | BIOL 4235: General Parasitology Lab | D, M | D, M |  |  |  |  |  |
|  | BIOL 4260: Herpetology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4265: Herpetology Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4270: Ichthyology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4275: Ichthyology Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4280: Marine Biology | D, M |  | D, M | D, M | D, M | D, M |  |
|  | BIOL 4300: Molecular Biology | D, M |  | D, M | D, M |  |  |  |
|  | BIOL 4305: Molecular Biology Techniques | D, M | D, M | D, M |  |  |  |  |
|  | BIOL 4350: Animal Behavior | D, M |  | D, M | D, M |  |  |  |
|  | BIOL 4355: Animal Behavior Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4380: Ornithology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4385: Ornithology Lab | D, M | D, M | D, M | D, M | D, M |  |  |
|  | BIOL 4400: Pathophysiology | D, M | D, M | D, M | D, M |  |  |  |
|  | BIOL 4411: Mammalogy | D, M |  | D, M |  |  |  |  |
|  | BIOL 4415: Mammalogy Lab | D, M |  | D, M |  | D, M |  |  |
|  | BIOL 4440: General Entomology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4445: General Entomology Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4460: Plant Ecology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4465: Plant Ecology Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4500: Comparative Vertebrate Physiology | D, M |  |  | D, M |  |  |  |
|  | BIOL 4505: Comparative Vertebrate Physiology Lab | D, M | D, M |  |  |  |  |  |
|  | BIOL 4600: Plant Physiology | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4605: Plant Physiology Lab | D, M | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4810/4820: Independent Research |  | D, M | D, M | D, M | D, M |  |  |
|  | BIOL 4830: Summer Independent Research |  | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4890/4891: Life Science Internship I & II |  | D, M | D, M | D, M | D, M |  |  |
|  | BIOL 4910/4920: Senior Seminar | D, M | D, M | D, M | D, M |  | D, M |  |
|  | BIOL 4930: Senior Thesis |  | D, M | D, M | D, M | D, M | D, M |  |
|  | BIOL 4990: Seminar in Biology (Virology) | D, M |  | D, M | D, M | D, M | D, M |  |

Evaluate the extent to which the program curriculum is coherent and structured in a logical, sequential, and consistent manner, and indicate any possible recommendations here: We recently changed the course sequence of the biology degree and now it flows in a very logical, sequential and consistent manner.