

Mark Bolyard (2006). *Biological Diversity*.
 C.S., B.A., *Biological Diversity*; *D.*, *University of*
California

Jennifer Gruenke (2009). *Biological*
Diversity. *C.S., Biological Diversity*, *B.*
California; *D.*, *University of*

James A. Huggins (1987). *Biological*
B.A., *University of*; *D.*,
University of; *A.*, *University of*
California; *A.*, *University of*

D., *University of*

James Mahan (2010). *Biological*
B.A., *University of*; *D.*, *University of*

Tamara Popplewell (2008). *Biological*
B., *A.E.*, *University of*

Michael Schiebout (2012). *Biological*

I. Major in General Biology – 42–44 hours

- A. 43. 44
1. B 112, 210, 211, 215, 315, 318. 24
2. F 300. B 14
3. B 425, 426, 437, 498. 4
- B. C 46-47
1. B 112, 210, 211, 215, 315, 318. 24
2. F 300. B 14
3. B 304, 415, 498. 7

II. Major in Zoology – 43–44 hours

- A. 43. 44
1. B 112, 200, 210, 211, 301, 312, 316, 336. 32
2. B 304, 310, 315, 317, 323, 325. 4
3. B 318, 321, 324, 356, 357, 360. 3. 4
4. B 425, 426, 437, 498. 4
- B. C 46-47
1. B 112, 200, 210, 211, 301, 312, 316, 336. 32
2. B 310, 315, 317, 323, 325. 4
3. B 318, 321, 324, 356, 357, 360. 3. 4
4. B 304, 415, 498. 7

III. Major in Cell and Molecular Biology—72–76 hours

- A. 72. 73
1. B 112, 211; 210. 215. 12
2. B 315, 323, 325, 397. 15
3. B 307, 309, 310, 316, 317, 320, 321, 324. 12
4. B 300. B E 3. 4
5. C E 111, 112, 314, 315, 324, 326, 319, 329. 26
6. B 425, 426, 437, 498. 4
7.
- B. C 75. 76
1. B 112, 211; 210, 215. 12
2. B 315, 323, 325, 397. 15
3. B 307, 309, 310, 316, 317, 320, 321, 324. 12
4. B 300. B E 3. 4
5. C E 111, 112, 314, 315, 324, 326, 319, 329. 26
6. B 304, 415, 498. 7
7.

IV. Major in Conservation Biology—66–68 hours

- A. C E 111; 2. A 111. g
B. B 112, 200, 210, 215; 112. 20
C. B 303, 304, 305, 318, 335, 355. 20
D. B 425, 426, 437, 498. 4
E. B 337, 358, 359, 360. 8
F. B 301, 312, 315, 316, 321, 324, 336, 356, 357. 14. 16
G.

V. Major in Botany

- A. 43. 44
1. B 112, 211, 215, 337, 358, 359, 360. 28
2. (g):
G A: B 304, 318, 321, 355
G B: B 315, 323, 325
3. B 425, 426, 437, 498. 4
- B. C 46-47
1. B 112, 211, 215, 337, 358, 359, 360. 28
2. (g):
G A: B 318, 321, 355
G B: B 315, 323, 325
3. B 304, 415, 498. 7

VI. Teacher Licensure in Biology (Grades 6–12)

- A. G 316 (307)
B. g (A. B), 316 (307)
F6 6 6 6 6 6 10 2C D 61. 6 6 7 6 6 10

Progression

- B g 3.50 G A
- C g B
- A G A. A
- g. / B g C A,
- A D C

- A g B g B 415, C ; E, B 437 E, ; B 498, D, F, E g B 415 437.

Biologists In Observation of the Master's Earth, BIOME, B E g

Honors Requirements

- A
- 1. C 12 g, 300- g B g g
- 2. A, g (8) A B g D,
- 3. D g / B g

211. Microbiology (4) F, S

Prerequisites: B 112

Corequisites: C E 111

Course description: This course covers the study of microorganisms, including their structure, function, and interactions with the environment. Topics include bacterial growth, metabolism, and the immune response. 3 credits / 3 hours

215. Botany (4) F

Prerequisites: B 112

Corequisites: C E 111

Course description: This course covers the study of plants, including their structure, function, and interactions with the environment. Topics include plant growth, photosynthesis, and the water cycle. 3 credits / 3 hours

221. Human Anatomy and Physiology (4) F, Su

Prerequisites: B 221, 222
Corequisites: B 221, 222
Course description: This course covers the study of human anatomy and physiology, including the structure and function of the human body. Topics include the skeletal system, muscular system, and the circulatory system. 2 credits / 2 hours

222. Human Anatomy and Physiology (4) S, Su

Prerequisites: B 221, 222
Corequisites: B 221, 222
Course description: This course covers the study of human anatomy and physiology, including the structure and function of the human body. Topics include the respiratory system, digestive system, and the nervous system. 2 credits / 2 hours

300. Pathophysiology (3) F, W, S

Prerequisites: B 221, 222
Corequisites: B 221, 222
Course description: This course covers the study of pathophysiology, including the causes and effects of disease. Topics include the immune system, infectious diseases, and chronic diseases. 3 credits / 3 hours

301. Invertebrate Zoology (4) F-Even Years

Prerequisites: B 112, 210, 4
Corequisites: B 112, 210, 4
Course description: This course covers the study of invertebrate animals, including their structure, function, and interactions with the environment. Topics include the life cycle of invertebrates and their role in the ecosystem. 3 credits / 3 hours

303. Natural Resources Policy (3) F-Oddnd 1 72 483.9/8/M2tmunodeenID y0 Bi26(H 6i02oward2cior nu210.1 72 324.01

318. Ecology (4) S

Prerequisites: B 112, 8

A. g
3

320. Immunology (4) F

Prerequisites: B 112, 211, 4

B ; C E 314/324
L
g

358. Plant Physiology (4) S-Even Years

Prerequisites: B 112, 215, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

