

Preliminary and Level 1	Level 2
<p>BIOL0011 Preliminary Biology I • BIOL0012 Preliminary Biology II Campbell Biology. <i>Reece, Urry, Cain, Wasserman, Minkorsky and Jackson</i>, 2010, 9th Ed. Pearson Global Edition.</p>	<p>AGSL2401 Soil and Water Management <i>[Prescribed]</i> Soil Science Simplified, <i>H. Kohnke and D.P. Franzmeier</i>, 4th Ed. <i>[Recommended]</i> The Nature and Properties of Soils, <i>N.C. Brady and R.R. Weil</i>, 2008 Soil and Water Conservation Engineering, <i>D.D. Frangmeier, W.J. Elliott, S.R. Workman and R.L. Huffman</i> Soil and Water Management Systems, <i>G.O. Schwab, D.D. Frangmeier and W.J. Elliott</i></p>
<p>BIOL1017 Cell Biology • BIOL1018 Molecular Biology and Genetics Cell Biology, Genetics, Molecular Biology, Evolution and Ecology: <i>P. S. Verma & V. K. Agarival</i>, 2000 BIOL1262 Living Organisms I Stern's Introductory Plant Biology: <i>Bidlack, James and Shelley Jansky</i>, 2010, 12th Ed.</p>	<p>BIOL2401 Research Skills and Practices in Biology Practical Skills in Biology: <i>A. Jones, R. Reed and J. Weyers</i>, 5th Ed. BIOL2402 Fundamentals of Biometry Statistics Explained: <i>Perry R. Hinton</i>, 2014, 3rd Ed. A Prime of Ecological Statistics, <i>N. J. Gotelli and A. M. Ellison</i>, 2013, 2nd Ed. Biostatistical Analysis: <i>J. H. Zar</i>, 2009, 5th Ed. Statistics for the Life Sciences, <i>M.L. Samuels and J.A. Witmer</i>, 2015, 5th Ed. Biostatistics for the Biological and Health Sciences: International Edition, <i>M.M. Triola and M.F. Triola</i>, 2006.</p>
<p>BIOL1263 Living Organisms II Animal Diversity : <i>C.P. Hickman, L.S. Roberts, S.L. Keen, a. Larson and D.J. Eisenhower</i>, 2007, 4th Ed.</p>	<p>BIOL2403 Principles of Ecology Elements of Ecology: International Edition, <i>T.M. Smith and R.L. Smith</i>, 2008, 7th Ed.</p>
	<p>BIOL2404 Molecular & Population Genetics Concepts of Genetics, <i>W. S. Klug, M. R. Cummings, C. A. Spencer and M. Palladino</i>, 2009, 9th Ed.</p> <p>BIOL2406 Eukaryotic Microbiology Brock Biology of Microorganisms, <i>M.T. Madigan, J.M. Martinko and J. Parker</i> Phycology, <i>R.E. Lee</i> Introduction to Fungi, <i>J. Webster and R.W.S. Webber</i> Algae: Anatomy, Biochemistry and Biotechnology, <i>L. Barsanti and P. Gualtieri</i> Introductory Mycology, <i>C.J. Alexopoulos, C.W. Mims and M. Blackwell</i></p>
	<p>BIOL2407 Biological Evolution Evolution Analysis, <i>S. Freeman, and J. C. Herron</i>, 2010, 5th Ed.</p>
	<p>BIOL2408 Diving for Scientists Scuba Diving, <i>D. K. Graver</i>, 2009, 4th Ed.</p>
	<p>BOTN2401 Plant Form and Systematics An Introduction to Plant Structure and Development: Plant Anatomy for the Twenty-First Century, <i>C.E. Beck</i>, 2010, 2nd Ed.</p>
	<p>BOTN2402 Physiology of Plants Plant Physiology, <i>L. Taiz and E. Zeiger</i>, 2006, 5th Ed.</p>
	<p>ZOOL2402 Animal Physiology <i>[Prescribed]</i> Animal Physiology, <i>R.W. Hill, G.A. Wyse and M. Anderson</i>, 2016, 4th Ed. Environmental Physiology of Animals, <i>P. Willmer, G. Stone and I. Johnson</i>, 2005, 2nd Ed. <i>[Recommended]</i> Comparative Animal Physiology, <i>P.C. Withers</i>, 1992 Animal Structure and Function (Biology: The Unity and Diversity of Life), <i>C. Starr</i>, 2009 Animal Physiology: Adaptation and Environment. <i>K. Schmidt-Nielsen</i>, 2008, 5th Ed.</p>
	<p>ZOOL2403 Maintenance Systems in Animals • ZOOL2404 Coordination & Control in Animals Vertebrates: Comparative Anatomy, Function and Evolution, <i>K.V. Kardong</i>, 2012, 6th Ed. Functional Anatomy of the Vertebrates, <i>W. Walker, K. Liem, W. Bernis and L. Grande</i>, 2013, 3rd Ed.</p>

Level 3

AGCP3406 Fruit Crop Production

Principles of Fruit Crop Production, *J. Martin, R. Waldren and D. Stamp*, 4th Ed.

AGCP3407 Postharvest Technology

Postharvest Physiology of Vegetables, *J. Weichman*, 1987
 Postharvest Technologies for Horticultural Crops vol.1, *N. Benkeblia*, 2006
 Postharvest Technologies for Horticultural Crops vol.2, *N. Benkeblia*, 2009

BIOL3400 Issues in Conservation Biology

Essentials of Conservation Biology, *R. Primack*

BIOL3402 Biology of Fungi

Introduction to Fungi, *J. Webster and R. Weber*

BIOL3403 The Biology of Soil

[Prescribed]

The Biology of Soil: A community and ecosystem approach (Biology of Habitats), *R. Bardgett*, 2005
 Fundamentals of Soil Ecology, *D. Coleman, D. Crossley Jr, and P. Hendrix*, 2nd Ed.
 The nature and properties of soils, *N.C. Brady and R.R. Weil*, 2016, 15th Ed.
 Soil Microbiology, Ecology and Biochemistry, *E.A. Paul*, 2014, 4th Ed.
 Principles and applications of soil microbiology, *D.D.M. Sylvia, J.J. Fuhrmann, P.G. Hartel and D.A. Zuberer*, 2005, 2nd Ed.

BIOL3404 Virology

Plant Pathology, *G.N. Agrios*, 2005
 Principles of Molecular Virology, *Alan Cann*, 2001
 Basic Virology, *M. Hewlett and E. Wagner*, 2004

BIOL3405 Pest Ecology & Management

Entomology and Pest Management, *L. P. Pedigo and M.E. Rice*, 2005, 5th Ed.

BIOL3406 Freshwater Biology

Ecology of Fresh Waters: A View for the Twenty-First Century, *B. Moss*, 2010, 4th Ed.
 Tropical Stream Ecology, *D. Dudgeon*, 2008, 1st Ed.

BIOL3407 Oceanography

Oceanography: An Invitation to Marine Science, *T. Garrison*, 2nd Ed.

BIOL3408 Coastal Ecosystem

The Biology of Mangroves and Seagrasses, *P. Hogarth*, 2nd Ed.

BIOL3409 Caribbean Coral Reefs

A Field Guide to Coral Reefs: Caribbean and Florida. *E. H. Kaplan, S. L. Kaplan and R. T. Peterson*, 1999

BIOL3410 Water Pollution Biology

[Prescribed]

Biology of Freshwater Pollution, *C. Mason*, 2002, 4th Ed.
 [Highly Recommended]
 Toxicology of aquatic pollution. Physiological, Molecular and Cellular Approaches, *E.W. Taylor*, 2009. 1st Ed.
 [Recommended]
 Water Pollution Biology, *P.D. Abel*, 1996, 2nd Ed.

BOTN3401 Principles of Plant Biotechnology

Plant Biotechnology and Genetics: Principles, Techniques and Application, *C. Stewart*, 2008

BOTN3402 Introduction to Plant Breeding

Breeding Field Crops, *J.M. Poehlman and D.A. Sleper*, 4th Ed.

BOTN3403 Horticulture

Principles of Horticulture, *C.R. Adams, K.M. Bamford and M.P. Early*, 5th Ed.

BOTN3404 Economic Botany

Plants and Society, *E. Levetin and K. McMahon*
 Fundamentals of Pharmacognosy and Phytotherapy. *M. Heinrich, J. Barnes, S. Gibbons and E. Williamson*, 2004, 6th Ed. ISBN-10: 0443071322, ISBN-13: 978-0443071324

BOTN3405 Plant Ecophysiology

Physiological Ecology of Tropical Plants, *U. Luttge*, 2008
 Plant Physiological Ecology, *H. Lambres, F.S. Chapin and T.L. Pons*, 2007

BOTN3406 Tropical Forest Ecology

An Introduction to Tropical Rain Forests, *T.C. Whitmore*
 The Tropical Rain Forest, *P.W. Richards*, 2nd Ed.
 Tropical Forest and its Environment, *K.A. Longman and J. Jenik*

ZOOL3403 Entomology

A Field Guide to Insects: America North of Mexico, *D.J. Borror and R.E. White*
 Borror and DeLong's Introduction to the Study of Insects, *C.A. Triplehorn and N.F. Johnson*, 7th Ed.
 Entomology and Pest Management, *L.P. Pedigo and M.E. Rice*, 2009, 6th Ed.

ZOOL3404 Parasitology

Foundation of Parasitology, *L.S. Roberts and J. Janovy*, 2008, 8th Ed.

ZOOL3405 Vertebrate Biology

[Prescribed]
 Vertebrate Life, *F. Pough, C. Janis and J. Heiser*, 2008, 8th Ed.
 [Highly Recommended]
 Functional Anatomy of the Vertebrates, *W. Walker, K. Liem, W. Bernis and L. Grande*, 2001, 3rd Ed.
 Vertebrates: Comparative anatomy, Function and Evolution, *K.V. Kardong*, 2012, 6th Ed.

ZOOL3406 Immunology

Immunology: A Short Course, *R. Coico and G. Sunshine*, 2015, 7th Ed.

ZOOL3407 Human Biology

Human Biology: Health, Homeostasis and the Environment, *D.D. Chiras*.

ZOOL3408 Sustainable Use of Marine Fishable Resources

Fisheries Biology, Assessment & Management, *M. King*, 2007, 2nd Ed.

Marine Fisheries Ecology, *Jennings, Kaiser & Reynolds*, 2009

ZOOL3409 Aquaculture

Aquaculture: Farming Aquatic Animals & Plants, *J.S. Lucas and P.C. Southgate*