

2023-2024 Booklists

BIOC1015 - Introduction to Biochemistry REQUIRED (One of the following)

WORTH PUBLISHER	LEHNINGER, A.L., NELSON, D.L. & COX M.M.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-03-030504-7
SAUNDERS COLLEGE PUBLISHING	GARRETT, REGINALD H. & GRISHAN, CHARLES M.	BIOCHEMISTRY	Latest Ed. ISBN: 0-03-022318-0
PRENTICE HALL INT'L	HORTON, R.H., MORAN L.A., OCHS, R.S., RAWN, J.D. & SCRINGEOUR, K .G.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-13-026672-8
W.H. FREEMAN & COMPANY	BERG, J.M., TYMOCZKO, J.L. & STRYER, L.	BIOCHEMISTRY	Latest Ed. ISBN-10: 1-4292-7396-8

BIOC2365 - Primary Metabolism REQUIRED (One of the following)

WORTH PUBLISHER	LEHNINGER, A.L., NELSON, D.L. & COX M.M.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-03-030504-7
W.H. FREEMAN & COMPANY	BERG, J.M., TYMOCZKO, J.L. & STRYER, L.	BIOCHEMISTRY	Latest Ed. ISBN-10: 1-4292-7396-8
SAUNDERS COLLEGE PUBLISHING	GARRETT, REGINALD H. & GRISHAN, CHARLES M.	BIOCHEMISTRY	Latest Ed. ISBN: 0-03-022318-0
PRENTICE HALL INT'L	HORTON, R.H., MORAN L.A., OCHS, R.S., RAWN, J.D. & SCRINGEOUR, K .G.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-13-026672-8

BIOC2366 - Protein Biochemistry REQUIRED

WILEY	WHITFORD, DAVID	PROTEINS: STRUCTURE AND FUNCTION	ISBN: 978-0-471-49894-0
And one of the following:			
WORTH PUBLISHER	LEHNINGER, A.L., NELSON, D.L. & COX M.M.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-03-030504-7
PRENTICE HALL INT'L	HORTON, R.H., MORAN L.A., OCHS, R.S., RAWN, J.D. & SCRINGEOUR, K .G.	PRINCIPLES OF BIOCHEMISTRY	Latest Ed. ISBN: 0-13-026672-8
SAUNDERS COLLEGE PUBLISHING	GARRETT, REGINALD H. & GRISHAN, CHARLES M.	BIOCHEMISTRY	Latest Ed. ISBN: 0-03-022318-0
W.H. FREEMAN & COMPANY	BERG, J.M., TYMOCZKO, J.L. & STRYER, L.	BIOCHEMISTRY	Latest Ed. ISBN-10: 1-4292-7396-8

BIOC2370 - Cell Signals

REQUIRED

MCGRAW HILL	GARDNER D.G, AND D. SHOBACK	GREENSPAN'S BASIC AND CLINICAL ENDOCRINOLOGY	9 th Ed. 2011 OR Latest Ed. ISBN: 978-0071622431
ACADEMIC PRESS	KRAMER, I.	SIGNAL TRANSDUCTION	3 rd Ed. 2015 ISBN: 9780123948038
WEST SUSSEX: JOHN WILEY & SONS LTD	CAICO, RICHARD & GEOFFREY SUNSHINE	IMMUNOLOGY: A Short Course	2015 OR Latest Ed. ISBN: 978-1-118-39691-9

RECOMMENDED

One of the following:

W.H. FREEMAN-MACMILLIAN	NELSON, D.L. AND M.M. COX	LEHNINGER PRINCIPLES OF BIOCHEMISTRY	6 th Ed. 2013 OR Latest Ed ISBN: 978-1-4292-3414-6
BROOKS/COLE.	GARRETT, R.H. AND C.M. GRISHAM.	BIOCHEMISTRY	5 th Ed. 2013 OR Latest Ed. ISBN: 9781133106296
W.H. FREEMAN-MACMILLIAN	BERG, J.M., J.L. TYMOCZKO, AND L. STRYER.	BIOCHEMISTRY	7 th Ed. 2012 OR Latest Ed. ISBN: 978-1-4292-2936-4

BIOC2371 - Molecular Techniques

REQUIRED

GARLAND SCIENCES/ TAYLOR FRANCIS GROUP	LODGE, J., LUND, P. & MINCHIN, S.	GENE CLONING, PRINCIPLES & APPLICATIONS & GENOMICS	Latest Ed. ISBN: 10: 0-7487-6534-4 ISBN: 9780748765348 ISBN: 0-203-96728-3
BLACKWELL PUBLISHING LTD	PRIMROSE, S.B. & TWYMAN, R.M.	PRINCIPLES OF GENE MANIPULATION & GENOMICS	Latest Ed. ISBN: 9780815341840 ISBN-10: 0815341849

RECOMMENDED

PEARSON/PRENTICE HALL	LEWIN, B.	LEWIN'S ESSENTIAL GENES 3E INTERNATIONAL VERSION	Latest Ed. ISBN: 9781449644772
W.H. FREEMAN & Co.	LODISH, H., et al.	MOLECULAR CELL BIOLOGY	Latest Ed. ISBN- 10: 0-7167-7601-4

BIOC3260 - Principles of Biotechnology

REQUIRED

ELSEVIER	CLARK, D. AND N. PAZDERNIK	BIOTECHNOLOGY	ISBN: 9780123850157
BROOKS COLE	BARNUM, S.	BIOTECHNOLOGY: AN INTRODUCTION TO BIOTECHNOLOGY	ISBN: 978-0495112051
ELSEVIER	GODFREY, W.T.	INTRODUCTION TO BIOTECHNOLOGY: THE SCIENCE, TECHNOLOGY AND MEDICAL APPLICATIONS	ISBN: 978-1907568282
PEARSON HIGHER EDUCATION	THIEMAN, W.J.	INTRODUCTION TO BIOTECHNOLOGY	ISBN: 9780321766113

BIOC3261 - Mitochondrial Bioenergetics

REQUIRED

ACADEMIC PRESS	NICHOLLS, D.G AND FERGUSON, S.J.	BIOENERGETICS	ISBN: 9780123884251
----------------	----------------------------------	---------------	---------------------

BIOC3265 - Principles of Bioinformatics

REQUIRED

WILEY	BAXEVANIS, ANDREAS D. & OUELLETTE, FRANCIS B.F	BIOINFORMATICS: A PRACTICAL GUIDE TO THE ANALYSIS OF GENES AND PROTEIN	ISBN: 978-1-119-33595-5
-------	--	--	-------------------------

RECOMMENDED

WILEY	JOHNATHAN PEVSNER	BIOINFORMATICS AND FUNCTIONAL GENOMICS	3 RD Ed. ISBN: 978-1-118-58178-0
BENJAMIN CUMMINGS	KRANE, D.E. & RAYMER, M.L.	FUNDAMENTAL CONCEPTS OF BIOINFORMATICS	3 RD Ed. ISBN: 0-8053-4633-3

BIOC3290 - Biochemistry Project for Minors

REQUIRED

BEDFORD/ST MARTIN'S PRESS	MCMILLAN, V.E.	WRITING PAPERS IN THE BIOLOGICAL SCIENCES	5 th Ed. ISBN-13: 978-0312649715
---------------------------	----------------	---	---

BIOC3370 - Basis of Human Disease

REQUIRED

McGRAW-HILL MEDICAL	GREENSPAN, F. G. (Ed.) & GARDNER, D.G. (Ed.)	BASIC AND CLINICAL ENDOCRINOLOGY	Latest Ed. ISBN: 0071402977
W.H. FREEMAN & CO.	TYMOCZKO J.L., BERG J.M., & STRYER L.	BIOCHEMISTRY: INTERNATIONAL VERSION	ISBN: 0716746840
ACADEMIC PRESS	GOMPERTS, B.D. & KRAMER, I.M.	SIGNAL TRANSDUCTION	ISBN-10: 0123694418 ISBN-13: 978-0123694416

BIOL0051 & BIOL0052 - Preliminary Biology I & II

REQUIRED

MACMILLAN	DURANT, CLAIRE	BIOLOGY FOR CAPE EXAMINATIONS	ISBN-13: 978- 0-2300- 3781- 6
CAMBRIDGE UNIVERSITY PRESS	RAMESAR, M.; JONES, M. & JONES, G.	BIOLOGY UNIT 1 FOR CAPE EXAMINATIONS	ISBN-13: 978-0-521-17690-3
CAMBRIDGE UNIVERSITY PRESS	RAMESAR, M.; JONES, M. & JONES, G.	BIOLOGY UNIT 2 FOR CAPE EXAMINATIONS	ISBN-13: 978-0-521-17691-0

RECOMMENDED

CAMBRIDGE UNIVERSITY PRESS	TAYLOR, D.J., GREEN, N.P.O., STOUT, G.W. & EDITOR:SOPER,R.	BIOLOGICAL SCIENCE 1	3 RD Ed. ISBN:0521 56721 1
		BIOLOGICAL SCIENCE 2	3 RD Ed. ISBN:0521 56720 3
MACMILLAN	CASEY, F.	HOW TO STUDY: A PRACTICAL GUIDE	Latest Ed
CAMBRIDGE U.P.	CHINNERY, L., GLASGOW, J. JONES, M. & JONES, G.	CXC BIOLOGY	3 RD Ed. (2001)

BIOL1020 - Diversity of Life I

REQUIRED

W.H. FREEMAN	EVERT, R.F. & EICHHORN, S.E.	RAVEN BIOLOGY OF PLANTS	8th Ed. (2013) ISBN-13: 978-1-4292-1961-7
E.P. SOLOMON	BERG, L.R. & MARTIN, D.W.	BIOLOGY	11th Ed. (2008) ISBN-13: 978-1337392938

Springer, Singapore

BHATLA, SC & LAL, MA

PLANT PHYSIOLOGY, DEVELOPMENT &
METABOLISM

(2018) ISBN- ISBN- 978-981-13-2022-4

**BIOL2371 - Ecophysiology of Animals
REQUIRED**

SINAUER ASSOC., INC.

HILL, R.W., ANDERSON M., CAVANAUGH, D. ANIMAL PHYSIOLOGY

5th Ed. (2021) ISBN-13: 978-0197552438

**BIOL2373 - Skills for Biologists
RECOMMENDED**

PALGRAVE MACMILLAN

WILLIAM, K. & DAVIS, M.

REFERENCING & UNDERSTANDING PLAGIARISM

Latest Ed.(2017) ISBN-13: 978-11375307

WILEY-BLACKWELL

DYTHAM, C.

CHOOSING AND USING STATISTICS: A BIOLOGIST'S
GUIDE

3rd Ed. (2011) ISBN-13: 978-1405198394

**BIOL2465 - Tropical Horticulture
REQUIRED**

CABI

MIDMORE, D. J.

PRINCIPLES OF TROPICAL HORTICULTURE

2015 ISBN: 978-1845935153

PEARSON

DAVIES, F.T., GENEVE, R.L., WILSON, S.B.,
HATMANN, H.T., & KESTER, D.E.

PLANT PROPAGATION: PRINCIPLES AND
PRACTICES

9th Ed.(2019) ISBN-13: 978-0132061032

**BIOL3025 - Molecular Plant Pathology
REQUIRED**

HARCOURT ACADEMIC PRESS

AGRIOS, G.N.

PLANT PATHOLOGY

ISBN 9780120445653

TAYLOR & FRANCIS INC.
(GARLAND PUBLISHING INC.)

DICKINSON, M.

MOLECULAR PLANT PATHOLOGY

Latest Edition ISBN: 978-1859960448

RECOMMENDED

BLACKWELL

WALTERS, D. R.

PHYSIOLOGICAL RESPONSES OF PLANTS TO
ATTACK

ISBN 978-1-4443-3329-9

ECOL2460 - Essentials of Ecology

RECOMMENDED

SINAUER

CAIN, M.L., BOWMAN, W.D. , & HACKER,
S.H.

ECOLOGY

2ND Ed. ISBN: 9780878934454

BLACKWELL PUBLISHING

BEGON, M., TOWNSEND, C.R., & HARPER,
J.L.

ECOLOGY: FROM INDIVIDUALS TO ECOSYSTEMS

4TH Ed. (2005) ISBN: 1405111178

MACGRAW HILL

MOLLES, M.C. Jr.

ECOLOGY: CONCEPTS AND APPLICATIONS

6TH Ed. ISBN: 0073532495

ECOL2461 - Caribbean Island Biodiversity

RECOMMENDED

PRINCETON UNIVERSITY PRESS;
POCKET EDITION (MAY 25, 2014)

RAFFAELE, H.A. & WILEY, J.

WILDLIFE OF THE CARIBBEAN

ISBN-13 978-0691153827

**ECOL2462 - Marine Biota
REQUIRED**

JONES AND BARTLETT LEARNING, SUDBURY, MA 01776	MORRISSEY J.F. & SUMICH, J.L.	INTRODUCTION TO THE BIOLOGY OF MARINE LIFE	11th Ed. (2016) ISBN-13: 978-1284090505
---	-------------------------------	--	---

RECOMMENDED

McGRAW-HILL	CASTRO P.C. & HUBER M.E.	MARINE BIOLOGY	10th Ed. (2016) or latest Ed. ISBN-13: 978-0078023064
BROOKS/COLE CENGAGE LEARNING	KARLESKINT G., TURNER R. & SMALL J.W.	INTRODUCTION TO MARINE BIOLOGY	4th Ed. (2012) or latest Ed. ISBN-13: 978-1133364467

ECOL3100 - Statistics for Ecologists

RECOMMENDED

PELAGIC PUBLISHING	GARDENER, MARK	STATISTICS FOR ECOLOGISTS USING R AND EXCEL. DATA COLLECTION, EXPLORATION ANALYSIS AND PRESENTATION.	2012
PEARSON EDUCATION LIMITED	BARNARD, CHRIS; GILBERT, FRANCIS; MCGREGOR, PETER	ASKING QUESTIONS IN BIOLOGY: A GUIDE TO HYPOTHESIS TESTING, EXPERIMENTAL DESIGN AND PRESENTATION IN PRACTICAL WORK AND RESEARCH PROJECT.	4 TH EDITION 2011
WILEY-BLACKWELL,	DYTHAM, CALVIN	CHOOSING AND USING STATISTICS: A BIOLOGIST GUIDE	3 RD EDITION 2011

ECOL3460 - Biology & Ecology of Coral Reefs

RECOMMENDED

THE UNIVERSITY OF CHICAGO PRESS, CHICAGO	GOLDBERG, W. M	THE BIOLOGY OF REEFS AND REEF ORGANISMS	2013
OXFORD UNIVERSITY PRESS, OXFORD	SHEPPARD, C.R.C; DAVY, S.K.; PILLING,G.M.	THE BIOLOGY OF CORAL REEFS	2009
SPRINGER	DUBINSKY, Z.V.Y., STAMBLER, NOGA (EDS)	CORAL REEFS: AN ECOSYSTEM IN TRANSITION	2011

**ECOL3461 - Ecology of a Changing Planet
RECOMMENDED**

SINAUER ASSOCIATES	SHER, A & PRIMACK, R.	AN INTRODUCTION TO CONSERVATION BIOLOGY	1 ST or 2 ND Ed ISBN-13: 978-1605358970 ISBN-10: 1605358975
LIVERIGHT	WILSON, E.O.	HALF-EARTH: OUR PLANET'S FIGHT FOR LIFE	ISBN-13: 978-1631492525 ISBN-10: 9781631492525 PAPERBACK

**ECOL3462 - Behaviour: An Evolutionary Approach
RECOMMENDED**

WILEY-BLACKWELL	DAVIES, N.B., KREBS, J.R. & WEST, S.A.	AN INTRODUCTION TO BEHAVIOURAL ECOLOGY	4 TH ED. (2012) ISBN: 978-1-4051-1416-5
-----------------	--	--	--

**ECOL3463 - Tropical Crop Ecology
RECOMMENDED**

IAN RANDLE PUBLISHERS	GANPAT, W.G., & ISAAC, W.P	SUSTAINABLE FOOD PRODUCTION PRACTICES IN THE CARIBBEAN	2012 ISBN: 978 9766376246
CABI	SINCLAIR, T.R. & WEISS, A.	PRINCIPLES OF ECOLOGY IN PLANT PRODUCTION	2 ND ED. 2010 ISBN: 9781845936549

**MICR2260 - Essential Microbiology
REQUIRED**

PEARSON BENJAMIN CUMMINGS	MADIGAN, M., MARTINKO, J., DUNLAP, P.V. & CLARK, D.P.	BROCK BIOLOGY MICROORGANISMS	12 TH Ed. (2009) (Or latest Ed.) ISBN 978- 0-132-32460-1
------------------------------	--	------------------------------	--

**MICR2261 - Eukaryotic Microbes
RECOMMENDED**

SPRINGER NATURE	Archibald, J.M., Simpson, A.G.B. & Slamovits, C.H.	Handbook of the Protists	2nd Ed. (2017), Hardcover ISBN: 978-3- 319-28148-3; eBook ISBN: 978-3-319- 28149-0
-----------------	---	--------------------------	--

**MICR2262 - Methods in Microbiology
REQUIRED**

PEARSON BENJAMIN
CUMMINGS

MADIGAN, M., MARTINKO, J., DUNLAP,
P.V. & CLARK, D.P.

BROCK BIOLOGY MICROORGANISMS

12TH Ed. (2009) (Or latest Ed.) ISBN 978-
0-132-32460-1

**MICR3265 - Microbiology of Food
REQUIRED**

ROYAL SOCIETY OF CHEMISTRY
- CAMBRIDGE

ADAMS, M.R. & MOSS, M.O.

FOOD MICROBIOLOGY

3RD Ed. (2008) (Or latest edition)

MICR3266 - Ecology of Microorganisms

RECOMMENDED

BLACKWELL PUBLISHING	BARTON, LARRY L. & NORTHRUP, DIANA E.	MICROBIAL ECOLOGY	1 ST ED. (June 2011) ISBN-13: 978047 ISBN-10: 0470048174
ELSEVIER	MAIER, R.M., PEPPER, I.L. & GERBA, C.P.	ENVIRONMENTAL MICROBIOLOGY	2 ND ED. (2009) ISBN-13: 978-0123705198 ISBN-10: 0123705193

MICR3267 - Essential Virology

RECOMMENDED

WILEY	CARTER, J. & SAUNDERS, V.	VIROLOGY: PRINCIPLES AND APPLICATIONS	2 ND ED. (P.B.) (2013) ISBN-10: 1119991420 ISBN-13: 978-1119991427
-------	---------------------------	---------------------------------------	---

MICR3268 - Microbial Pathogenesis

RECOMMENDED

MOSBY	GOERING, R., DOCKRELL, H., ROITT, I., ZUEKEMAN, M., WAKELIN, D. MIMS, C., & CHIODINI, P. L.	MEDICAL MICROBIOLOGY WITH STUDENT CONSULT ONLINE	4th Ed. (P.B.) 2007 ISBN: 978- 0323044752
MOSBY	MURRAY, P.R., ROSENTHAL, K.S. & PFALLER, M.A.	MEDICAL MICROBIOLOGY WITH STUDENT CONSULT ONLINE ACCESS	6 TH Ed. (P.B) ISBN-13: 978 0323054706

BIOC3990 - Biochemistry Project

BIOL3990 - Biology Project

ECOL3990 - Ecology Project

MICR3990 - Microbiology Project

REQUIRED - One of

	DAY, ROBERT A., GASTEL, BARBARA	HOW TO WRITE AND PUBLISH A SCIENTIFIC PAPER	6 TH Ed (2006) ISBN: 0-313-33040-9
CAMBRIDGE UNIVERSITY PRESS	GUSTAVII, B.	HOW TO WRITE & ILLUSTRATE A SCIENTIFIC PAPER	Latest Ed.
PALGRAVE MacMILLIAN	McMILLAN, V. E.	WRITING PAPERS IN THE BIOLOGICAL SCIENCES	4 TH Ed. ISBN: 978-0312440831

RECOMMENDED

OXFORD UNIV. PRESS	RUXTON, G.D. & COLEGRAVE, N.	EXPERIMENTAL DESIGN FOR THE LIFE SCIENCES	2 ND Ed. (2006) ISBN: 978 0 19928511 2 (Pbk)
BLACKWELL PUBLISHING	DYTHAM, C.	CHOOSING AND USING STATISTICS: A BIOLOGIST'S GUIDE	2 ND Ed. (2003) ISBN: 1 4051 0243 8 (Pbk)
WILEY BLACKWELL	VAN EMDEN, H.	STATISTICS FOR TERRIFIED BIOLOGISTS	2008 ISBN: 978-1405149563

ENSC1000 - Earth and Its Environment

RECOMMENDED

PEARSON	CHRISTOPHERSON R. & BIRKELAND G.,	GEOSYSTEM: AN INTRODUCTION TO PHYSICAL GEOGRAPHY	9 TH Ed. (2014) ISBN-10: 0-321-92698-6
---------	-----------------------------------	--	---

ENSC1005 - Landform Dynamics

NO TEXT REQUIRED - ELECTRONIC COPY WILL BE PROVIDED

**ENSC2000 - Essentials of Oceanography
RECOMMENDED**

PEARSON PRENTICE HALL

TRUJILLO, A.P., THURMAN, H.V.

ESSENTIALS OF OCEANOGRAPHY

(2007) 9TH Edition

ISBN-10: 0132401223

ISBN-13: 978-0132401227

**ENSC2002 - Earth's Climate
REQUIRED**

**ENSC2005 - Earth-Life Cycles
REQUIRED**

W. W. Norton & Company

Logan, W.B.

Dirt: The Ecstatic Skin of the Earth

Any edition: kindle, paperback, used,
new, etc.

ISBN-10: 039332947X

ISBN-13: 978-0393329476

**ENSC3000 Climate Variation and Change
REQUIRED**

**ENSC3001 - Natural Hazards and Disasters
RECOMMENDED**

ROUTLEDGE

SMITH, KEITH & PETLEY, DAVID

ENVIRONMENTAL HAZARDS: ASSESSING RISK &
REDUCING DISASTER

6TH ED. ISBN-10: 0-415-42865-3

ISBN-13: 978-0-415-42865-1