

# Loyola College (Autonomous)

## Chennai 600034

M. Sc. Advanced Zoology & Biotechnology

Restructured CBCS curriculum with effective from June, 2016

Title of the paper	Sub. Code	Title of the paper	OLD/ NEW	% Change	Restructured CBCS curriculum with effective from June, 2016 Description
<b>2003 -2004</b>		<b>2012-13</b>			<b>2016-17</b>
Phylogeny of invertebrata and chordata	16PZO1MC01	<b>Phylogeny of Invertebrata and Chordata</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Systematics and biodiversity	16PZO1MC02	<b>Biosystematics</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Advanced evolutionary biology	16PZO1MC03	<b>Advanced developmental biology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Advanced developmental biology	16PZO1MC04	<b>Applied Entomology</b>	OLD	40	Shifted from 2 <sup>nd</sup> semester to 1 <sup>st</sup> semester, content retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Histochemistry and microtechniques	16PZO1MC05	<b>Animal Behavioral Biology</b>	NEW	100	New paper to provide detailed information on aspects of animal behaviour like instincts, learning, intelligence and tool use.

Invertebrata, chordata and developmental biology lab course	16PZO1MC06	<b>Invertebrata, Chordata &amp; Developmental Biology lab course</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Molecular cell biology	16PZO1MC01	<b>Molecular cell biology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Applied entomology	16PZO1MC02	<b>Radiation Biology</b>	NEW	100	New paper covering pros and cons of ionizing and non-ionizing radiation with details on applications in health and diagnosis.
Immunology	16PZO1MC03	<b>Biochemistry</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Cell and molecular biology lab course	16PZO1MC04	<b>Advanced evolutionary biology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Immunology and biophysics lab course	16PZO1MC05	<b>Molecular Cell biology lab course</b>	OLD	50	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources and title change.
Chronobiology and animal behaviour	16PZO1MC06	<b>Histochemical Technology (OR)</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Biophysics and radiation biology	16PZO1MC01	<b>Clinical Lab Technology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Principles of Ecology and Environmental Management	16PZO3MC01	<b>Environmental Biology and Management</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.

Research Methodology	16PZO3MC02	<b>Research Methodology &amp; Biostatistics</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Biochemistry and Animal Physiology	16PZO3MC03	<b>Animal Physiology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Environmental Biology, Biochemistry and Physiology Lab course	16PZO3MC04	<b>Eco - Physiology Lab course</b>	OLD	50	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Genomics, Metagenomics and Epigenetics	16PZO3ES01	<b>Bioinformatics (Or)</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Fishery biology	16PZO3ES02	<b>Aquaculture</b>	NEW	100	New Paper covering in-depth information on nature and types of cultivable species, methods of cultivation and sustainability.
Bio-products and Marketing	16PZO3ID01	<b>Bio-products and Marketing</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Project and Dissertation	16PZO4PJ01	<b>Project and Dissertation</b>			
Microbiology	16PZO4MC01	<b>Microbiology and Immunology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
Biotechnology	16PZO4MC02	<b>Biotechnology</b>	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.

Molecular Endocrinology and Reproduction	16PZO4MC03	Microbiology and Biotechnology Lab course	OLD	40	Major portion retained as such with revision of all units and updating Reference Books, Text Books and web resources.
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