

## Guido de Bres Science Department 2009-10

<b>Course Code</b>	<b>Strands</b>	<b>Teacher(s)</b>	<b>Christian Perspectives</b>
SNC1D/1P	Ecosystems Atoms & Compounds The Universe Electricity	Janet (D) Crystal (D) Herman (D&P)	Why do we study science? Reflecting God's character - image of God Role of scientific method Stewardship and the environment Sinfulness in nature, loss of harmony
SNC2D/2P	Tissues & Organs Chemical Reactions Climate Light & Optics	Herman (D&P) Mike (D&P)	History and Development of Science Scientific method vs. Postmodernism Limits of science, study Science's attempt to erase the fall's effects Incompleteness of science and its solutions
SBI3C	Cell Biology Microbiology Genetics Mammals Plants	Crystal Herman	Interdependence of science and worldviews God's ongoing providence Ethics in Genetics Current research in treatments, stem cells Tentativeness of theories Devolution of creation, mutations in genes
SBI3U	Diversity Evolution Genetics Animals Plants	Dave	Interdependence of science and worldviews God's ongoing providence Ethics in genetics Current research in treatments, stem cells Devolution of creation, mutations in genes Evolution – micro vs macro, vs theistic Intelligent design- beauty, patterns, purpose
SBI4U	Biochemistry Metabolism Molecular Genetics Homeostasis Populations	Dave	God's guiding hand in discoveries Stewardly use of technology – good & bad Visible vs. invisible reality Tentativeness of theories Role of bias in interpreting results
SCH3U	Organic Properties of Matter Energy & Reaction Rates Equilibrium Electrochemistry	Jeff	Interdependence of science and worldviews God's ongoing providence Creation upheld by physical laws Tentativeness of theories Intelligent design- beauty, patterns, purpose
SCH4C	Matter Organic Electrochemistry Calculations The Environment	Jeff	God's guiding hand in discoveries Stewardly use of technology – good & bad Tentativeness of theories Visible vs. invisible reality Value of evidence vs interpretation
SCH4U	Matter & Bonding Reactions Quantities Solutions Gases	Jeff	God's guiding hand in discoveries Stewardly use of technology – good & bad Visible vs. invisible reality Role of bias in interpreting results Value of evidence vs interpretation

SPH3U	Kinematics Forces Energy & Society Waves & Sound Electricity & Mag.	James	Interdependence of science and worldviews God's active, ongoing providence Creation upheld by physical laws World is not a machine Tentativeness of theories Intelligent design- beauty, patterns, purpose
SPH4C	Motion Mechanical Systems Electricity & Mag. Energy Hydraulics & Pneumatics	Barb	God's guiding hand in discoveries Creation upheld by physical laws Stewardly use of technology – good & bad Tentativeness of theories Visible vs. invisible reality Value of evidence vs interpretation
SPH4U	Dynamics Energy & Momentum Fields Waves & Light Quantum & Relativity	Barb	God's guiding hand in discoveries Stewardly use of technology – good & bad Visible vs. invisible reality Role of bias in interpreting results Value of evidence vs interpretation