

Sample Course Plan - Semester 1 2021 entry
B1391 Bachelor of Agricultural Science
Crop and Pasture Science + Animal Science double major - 72 credit points
Academic Chair Crop and Pasture Science: Dr Graham O'Hara
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Academic Chair Animal Science: Associate Professor Andrew Thompson
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Major Prerequisites: Chemistry Background

Students who achieved a final scaled score of 50 percent or more in Chemistry 3A/3B or Chemistry ATAR within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements. The following course plan applies for students that are granted an exemption for CHE140.

	Semester 1		Semester 2	
Year 1	ANS105 Agricultural Science and Food Production 3pts BSC100 Building Blocks for Science Students 3pts MAS183 Statistical Data Analysis 3pts Part I or II General Elective 3pts 12pts		ANS101 Introduction to Livestock Science and Genetics 3pts BIO152 Cell Biology 3pts BMS107 Foundations of Vertebrate Form and Function 3pts MSP100 Career Learning: Managing Your Career 3pts 12pts	
Year 2	ANS230 Animal Production Systems II 3pts ENV243 Water and Earth Science 3pts VET272 Comparative Mammalian Biochemistry 3pts Specified Elective* 3pts 12pts		ANS207 Crop and Pasture Science 3pts ANS208 Crop Protection and Plant Biosecurity 3pts ANS221 Animal Structure and Function 3pts Part II Murdoch Spine Unit** 3pts 12pts	
Year 3	ANS309 Agricultural Markets, Economics and Policy 3pts ANS333 Animal Production Systems III 3pts VET380 Veterinary Nutrition and Animal Toxicology 3pts Part II Murdoch Spine Unit** 3pts 12pts		ANS311 Agricultural and Environmental Technologies 3pts ANS312 Advanced Crop and Pasture Science 3pts ANS337 Animal Industry Experience 3pts Part II General Elective 3pts 12pts	

***Specified Electives** Choose one of the following five units:

[BIO246](#) Microbiology - 3 points
 MURDOCH: S1-internal
[BIO282](#) Molecular Biology - 3 points
 MURDOCH: S1-internal
[MAS223](#) Applied Statistics - 3 points
 MURDOCH: S2-internal, S2-external
[BIO257](#) Australian Biodiversity - 3 points
 MURDOCH: S2-internal
[ENV303](#) GIS for Environmental Management and Planning - 3 points
 MURDOCH: S2-internal, S2-external

****Part II Murdoch Spine: Career learning Units**

Select from the following:

[MSP200](#) Building Enterprise Skills – 3 pts
 MURDOCH: S1-external, S2-external
[MSP201](#) Real World Learning – 3 pts
 MURDOCH: S1-external, S2-external, SUM-external, W-external, Y-external
[ANS302](#) Farm Placement – 3 pts (is an alternative to MSP200 or MSP201)
 MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement, Y-placement
[ANS303](#) Industry Tour – 3 pts (is an alternative to MSP201)
 MURDOCH: S2-internal

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course. Correct as at 17.01.2020

Recommended General Electives:

[ANS301](#) International Study Tour Opportunities – 3 pts

MURDOCH: S2N-internal

[ANS363](#) Applied Animal Agriculture – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS364](#) Applied Animal Breeding – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS365](#) Equine Physiology and Behaviour – 3 pts

MURDOCH: S1-internal

[ANS366](#) Equine Nutrition and Health – 3pts

MURDOCH: S2-internal

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