INTRODUCTION
These Membership Guidelines should be read in conjunction with the Membership Candidate Handbook.

ELIGIBILITY
Refer to Section 2 of the Membership Candidate Handbook.

OBJECTIVES
To demonstrate that the candidate has sufficient knowledge of, and experience in, the veterinary care and medicine of sheep to be able to give sound advice in this field to veterinary colleagues.

LEARNING OUTCOMES
These guidelines relate to the discipline of general ovine medicine which covers the veterinary care of commercially farmed sheep in Australia and New Zealand, including an understanding of production related disease. Veterinary care of sheep kept as pets is not a specific focus of the Chapter; rather, candidates should be able to address these issues using first principles.

The candidate should have a sound\(^1\) knowledge of the production and management of sheep and the associated diseases when sheep are farmed for:

\(^1\) Detailed knowledge - candidates must be able to demonstrate an in-depth knowledge of the topic including differing points of view and published literature. The highest level of knowledge.
Sound knowledge – candidate must know all of the principles of the topic including some of the finer detail, and be able to identify areas where opinions may diverge. A middle level of knowledge.
Basic knowledge – candidate must know the main points of the topic and the core literature.
a. meat  
b. wool and  
c. milk

across a range of production systems, including:

a. high rainfall  
b. wheat-cereal zone, and  
c. pastoral zones

in either Australia or New Zealand.

They will demonstrate a **sound** knowledge of:

- the aetiology, epidemiology, economic impact, pathology, diagnosis, treatment and control of diseases of sheep endemic to these countries (both infectious and non-infectious)
- the infectious disease of sheep currently exotic disease to either Australia or New Zealand, but which pose a significant threat to sheep health if introduced. This includes developing a differential list to exclude such diseases, and a knowledge of the likely response to an incursion
- competency in the investigation of disease outbreaks, nutritional, metabolic, genetic and toxicological disorders
- the welfare and legislative issues relevant to the farming of sheep
- the application of biosecurity principles as they relate to sheep management
- the zoonotic diseases associated with sheep veterinary practice and how to practically mitigate their risks
- the nutritional management of sheep as it relates to both production and disease
- the sheep industries and the routine operation of sheep enterprises, with familiarity of normal husbandry procedures.

**DESCRIPTION OF THE SUBJECT**

The candidate should study:

- The sheep industry of the country of residence, its structure and role
- Farm management, as it relates to routine procedures, animal welfare and disease prevention, and those factors that may act as constraints to optimal production or lead to the occurrence of disease.
- The nutrition of sheep in relation to their survival, growth, disease, reproduction and productivity.
- Diseases of sheep endemic to Australia and New Zealand, including epidemiology, clinical signs, post mortem lesions, samples required to confirm diagnosis, treatment, control and prevention, and their economic impact.
- Reproduction of the ram and ewe, diseases and other factors that may cause suboptimal reproductive performance.
- Those plants and agents toxic to sheep in the region of residence, and the resulting toxicological conditions, with particular reference to those in the candidate’s own district.
- Diseases of sheep exotic to the country of residence and that pose a threat to the sheep industry, the appropriate measures for preventing their introduction, and the strategies to be employed in the event of an incursion.
• Methods of investigation of an outbreak of disease or an occurrence of suboptimal production in a group of sheep.

EXAMINATIONS
For information on the required standard and format for both the Written and Oral examinations, candidates are referred to Sections 3, 10 and 12 of the Membership Candidates Handbook. The Membership examination has two separate, autonomous components:

1. Written Examination (Component 1)
   Written Paper 1 (two hours): Principles of the Subject
   Written Paper 2 (two hours): Applied Aspects of the Subject

2. Oral Examination (Component 2)
   Oral (one hour)

The written examination will comprise of two separate two-hour written papers taken on the same day. There will be an additional 15 minutes perusal time for each paper, during which no writing in an answer booklet is permitted. In each paper you are provided with four (4) questions to answer, worth 30 marks each, giving a total of 120 marks per paper. There is no choice of questions. Questions may be long essay type or a series of shorter answer sub-questions. Marks allocated to each question and to each subsection of questions will be clearly indicated on the written paper.

Written Paper 1:
This paper is designed to test the Candidate’s knowledge of the principles of Medicine of Sheep as described in the Learning Outcomes. Answers may cite specific examples where general principles apply, but should primarily address the theoretical basis underlying each example.

Written Paper 2:
This paper is designed to (a) test the Candidate’s ability to apply the principles of Medicine of Sheep to particular cases/problems or tasks and (b) test the Candidate’s familiarity with the current practices and current issues that arise from activities within the discipline Medicine of Sheep in Australia and New Zealand.

Oral Examination:
This examination requires the candidate to demonstrate achievement of the above-mentioned Learning Outcomes. The duration of this examination is approximately one (1) hour. Five cases are presented with supporting questions asked verbally in a face-to-face setting. The oral examination has a total of 100 marks with each case allocated 20 marks.
RECOMMENDED READING MATERIAL

The candidate is expected to read widely within the discipline, paying particular attention to areas not part of their normal work experiences. This list of books and journals is intended to guide the candidate to some core references and other source material. Candidates also should be guided by their mentors. The list is not comprehensive and is not intended as an indicator of the content of the examination.

Essential Textbooks


*Sheep Health Diseases and Production* (2009) DM West, AM Bruere and AL Ridler published by New Zealand Veterinary Association

*Epidemiology and Control of Internal Parasites of Sheep* eds Donald et al published by CSIRO

Recommended References


*Reproduction of Sheep* (1986) eds DR Lindsay and DT Pearce, an Australian Wool Corporation Technical Publication (reprinted 2011)


*Veterinary Clinical Toxicology* 3rd ed (2006) K Parton, AM Bruere and KP Chambers published by New Zealand Veterinary Association


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2  **Core textbook** – candidates are expected to own a copy of the textbook and have a detailed knowledge of the contents.

**Recommended textbook** – candidates should own or have ready access to a copy of the book and have a sound knowledge of the contents.

**Additional references** – candidates should have access to the book and have a basic knowledge of the contents

**Additional Reading Materials** - These are conference proceedings, other non-refereed publications and other journals that would offer some information in the subject area including differing points of view, but are not required reading.
Additional Reading Material

Sheep Health and Production Sydney University Postgraduate Foundation – Proceedings 110
Sheep Medicine Sydney University Postgraduate Foundation – Proceedings 141
Sheep Proceedings from Sydney University Postgraduate Foundation Proceedings 58, 67, 11,111,141
Australian Sheep Veterinarians Conference Proceedings
New Zealand Sheep and Beef Cattle Society Proceedings
International Sheep Veterinary Congress Proceedings

Recommended Journals

Australian Veterinary Journal
New Zealand Veterinary Journal
Australian Animal Production Society Proceedings
New Zealand Animal Production Society Proceedings
Sheep Medicine lecture notes from a number of Veterinary faculties are also available (e.g. http://vein.vetsci.usyd.edu.au/sheephealth), and are very useful. In addition, there are a number of consultancy/production newsletters available from colleagues.

FURTHER INFORMATION

For further information contact the College Office

Telephone: International +61 (07) 3423 2016
Fax: International +61 (07) 3423 2977
Email: admin@anzcvs.com.au
Web: www.anzcvs.org.au
Postal Address: Building 3, Garden City Office Park, 2404 Logan Road EIGHT MILE PLAINS QLD 4113 Australia

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3 Core Journal – candidates are expected to have ready access to either print or electronic versions of the journal and have a detailed knowledge of the published articles in the subject area.
Recommended Journal – candidates should have ready access to either print or electronic versions of the journal and have a sound knowledge of the published articles in the subject area.
Additional Journal – candidates should be able to access either printed or electronic versions of the journal and have a basic knowledge of the published articles in the subject area.