

VETERINARY EDUCATIONAL RESEARCH IN ASIA THE WAY FORWARD

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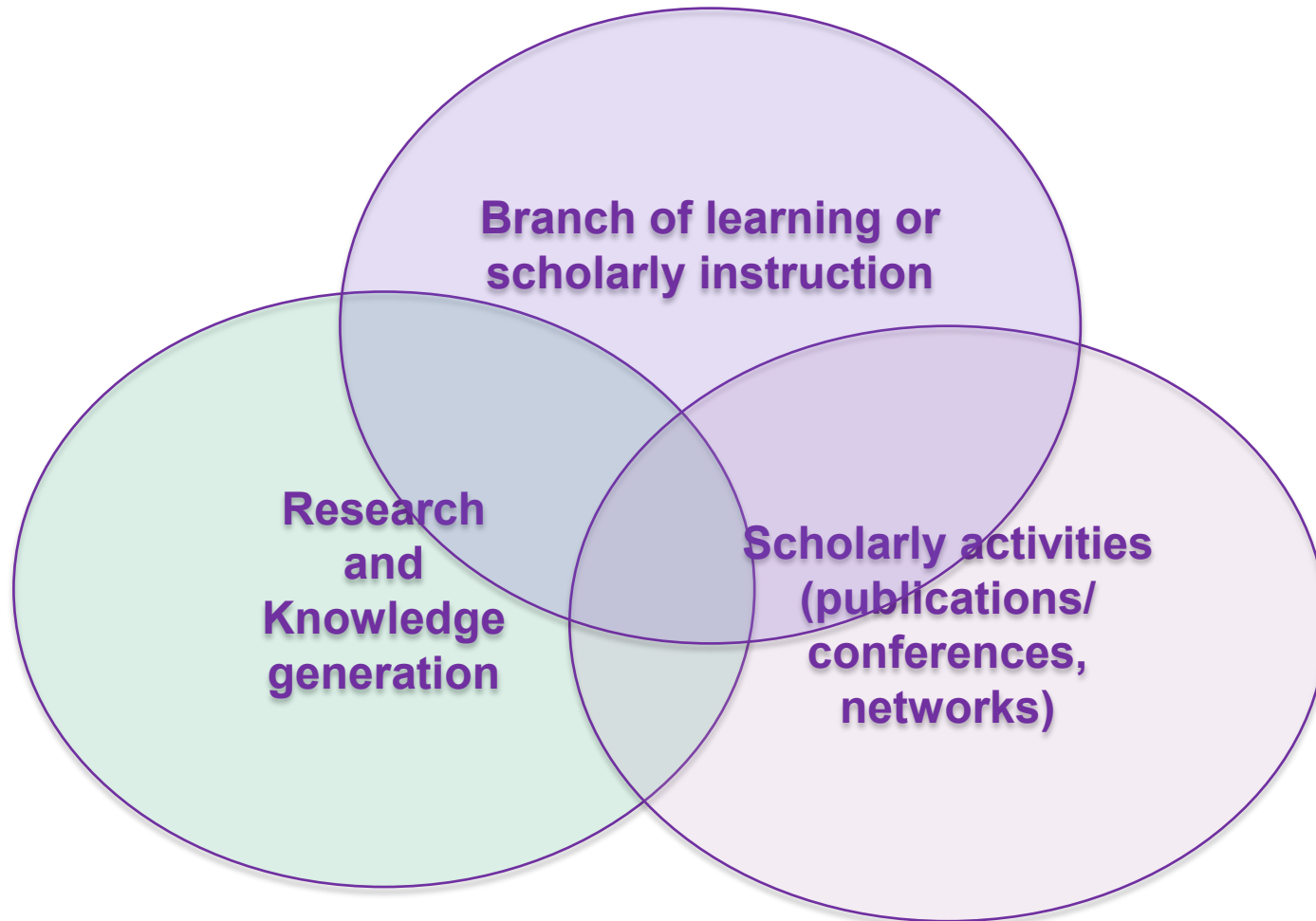
Veterinary Education – an emerging academic discipline



What is an academic discipline?

An academic discipline is a subdivision of knowledge that is taught and researched at the college or university level. Disciplines are defined (in part) and recognized by the academic journals in which research is published.

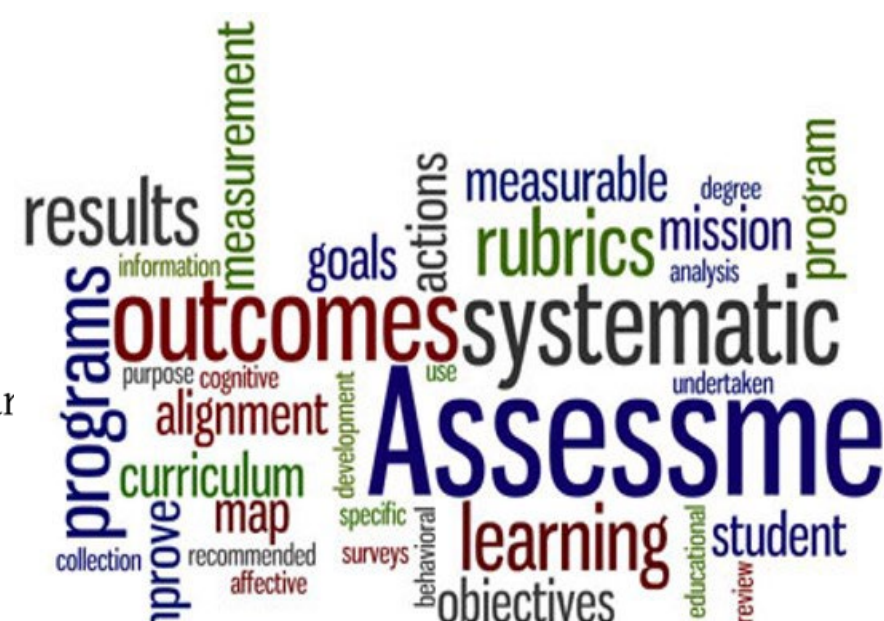
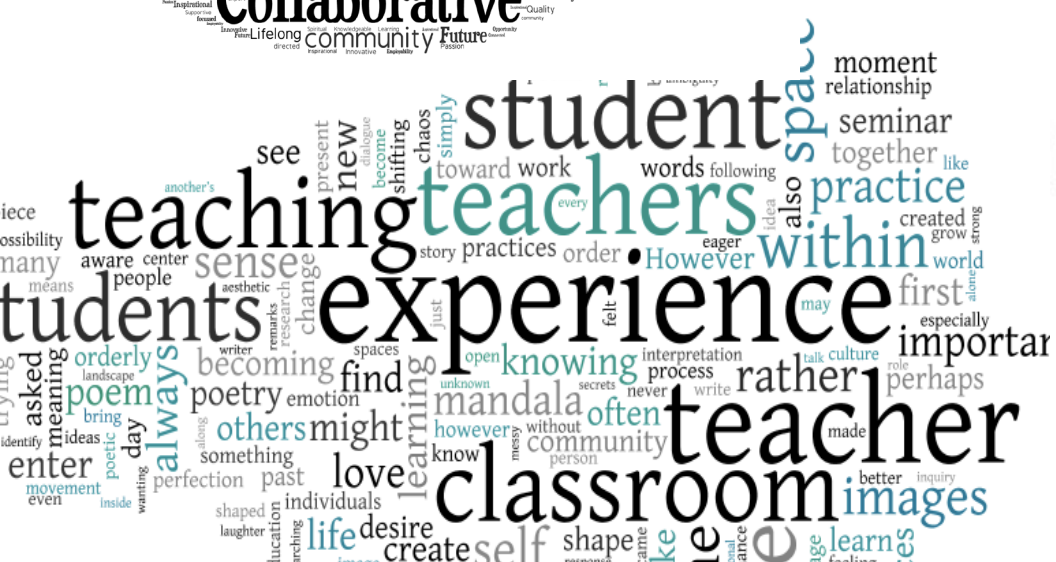
Veterinary Education as an academic discipline



WORDS and TERMS in VETERINARY IMMUNOLOGY



WORDS and TERMS in VETERINARY EDUCATION



Veterinary Educational Research is Challenging

Higher Education, Medical Education and Veterinary Education

Peer Reviewed Journals in Higher Education

- Active Learning in Higher Education:
•<http://www.sagepub.com/journals/Journal201469/manuscriptSubmission>
- Journal of Higher Education:
•<https://ohiostatepress.org/index.htm?journals/jhe/jhemain.htm>
- Higher Education:
•<http://link.springer.com/journal/10734>
- Journal of Higher Education Policy and Management:
•<http://www.tandfonline.com/toc/cjhe20/current#.VJY8SsAA>
- Journal of Diversity in Higher Education:
•<http://www.apa.org/pubs/journals/dhe/>
- Higher Education Quarterly:
•<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291468-2273>
- Review of Higher Education:
•https://www.press.jhu.edu/journals/review_of_higher_education/
- The Journal of General Education:
•<http://muse.jhu.edu/journals/jge/>
- Thought & Action:
•<http://www.nea.org/home/1821.htm>

Open access Peer-reviewed Journals in Higher Education

- Journal of Higher Education Outreach & Engagement:
•<http://openjournals.libs.uga.edu/index.php/jheoe>
- Higher Education Studies:
•<http://www.ccsenet.org/journal/index.php/hes>
- Higher Education, Skills and Work-based Learning:
•<http://www.emeraldgrouppublishing.com/products/journals/journals.htm?id=...>
- Research in Higher Education Journal:
•<http://www.aabri.com/rhej.html>
- Journal of Excellence in College Teaching:
•<http://celt.muchio.edu/iaet/>

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Peer Reviewed Journals in Medical Education

Academic Medicine Impact factor: 5.083 (source: [journal website](#))

Medical Education Impact factor: 4.619 (source: [journal website](#))

Advances in Health Sciences Education Impact factor: 2.761 (source: [journal website](#))

Medical Teacher: An International Journal of Education in the Health Sciences Impact factor: 2.355 (source: [journal website](#))

The New England Journal of Medicine Impact factor: 70.67 (source: [journal website](#))

JAMA: The Journal of the American Medical Association Impact factor: 51.3 (source: [journal website](#))

The Lancet Impact factor: 59.102 (source: [journal website](#))

PLOS Medicine Impact factor: 11.675 ([source](#))

Other significant medical education journals

Teaching and Learning in Medicine Impact factor: 2.216 (source: [journal website](#))

Journal of Medical Ethics Impact factor: 2.195 (source: [journal website](#))

Medical Science Educator: The Journal of the International Association of Medical Science Educators Impact factor: 1.039 (source: [University of Louisville](#))

(source: [University of Louisville](#))

Medical Education Online Impact factor: 1.039 (source: [journal website](#))

Open-access medical education journals

BMC Medical Education Impact factor: 2.317 (source: [journal website](#))

MedEdPORTAL: The Journal of Teaching and Learning Resources Impact factor: No impact factor (source: [journal website](#))

Journal of Medical Education and Curricular Development Impact factor: Unable to find an impact factor

Journals focused on graduate and continuing medical education

The Journal of Continuing Education in the Health Professions Impact factor: 1.265 (source: [journal website](#))

Journal of Graduate Medical Education Impact factor: Unable to find an impact factor

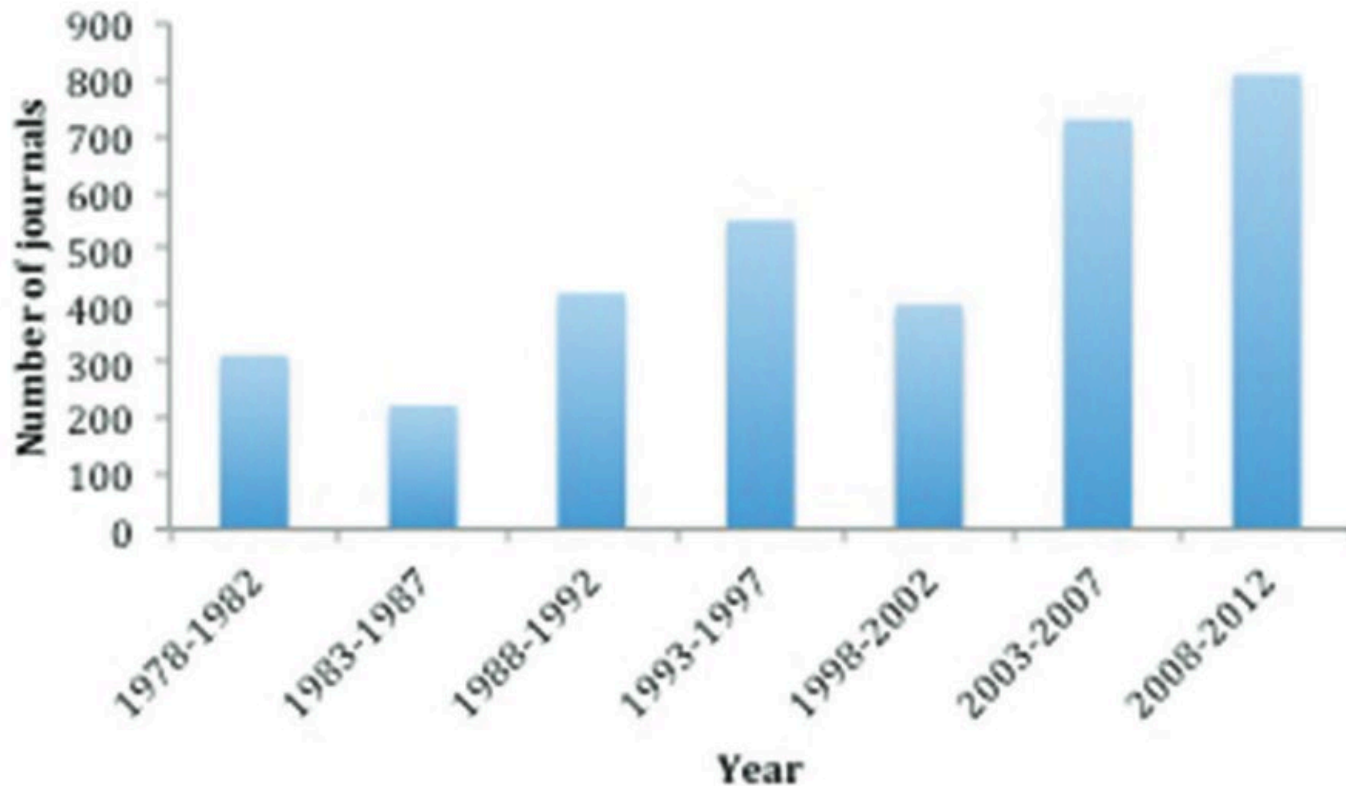
Peer Reviewed Journals in Veterinary Education

Journal of Veterinary Medical Education (JVME) impact factor 1.02

[BMC Veterinary Research | Education section](#) impact factor 2.7

**A special issue of Veterinary Sciences MDPI (2018)
"Educating the Future of Veterinary Science and Medicine"**

Publications with veterinary education as a subject



Conferences and networks in Veterinary education

International Symposia

Veterinary Education Symposium <https://vetedsymposium.org>

Veterinary Educator Collaborative

<https://www.aavmc.org/news/conferences-meetings/vec/>

Networks

ViEW – Veterinary Education Worldwide

AAVS - AAVS Working Group on Veterinary Education Research (VER-WG)

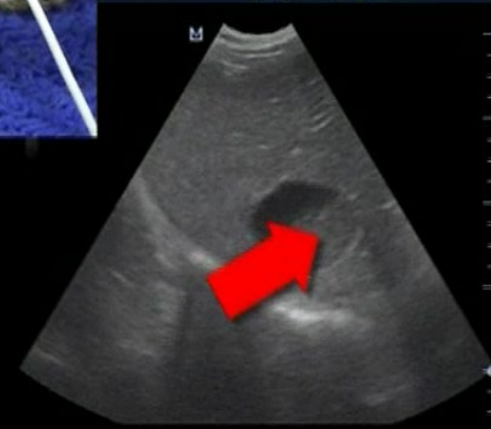
‘teaching poses particular challenges to faculty members in veterinary schools, with the safety of the patient, client, and student being critical considerations while undertaking many teaching activities, many of which are delivered in less-than-ideal teaching environments such as stables, barns, and consulting rooms’.

Bell, C (2013) JVME, 40 (2) 96-101

<https://jvme.utpjournals.press/doi/pdf/10.3138/jvme.0113-022R>



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6C2s Abdomen



Some Basic research questions?

- **What are the best anatomical resources to teach veterinary anatomy?**
- **What makes a good group in Problem-based learning or case-based learning?**
- **Undergraduate research projects, what do students experience and learn?**

What makes a 'good group'? Exploring the characteristics and performance of undergraduate student groups

[S. B. Channon](#) , [R. C. Davis](#), [N. T. Goode](#) & [S. A. May](#)

Advances in Health Sciences Education **22**, 17–41 (2017) | [Cite this article](#)

Large, long-term study

200 students, 36 groups (5-7 students)

Worked as groups in Term 1, Term 2 and Term 3

Group PBL-task

Staff: student ratio - 1:8

Performance analysed based on task output, student demographics, observations

<https://researchonline.rvc.ac.uk/id/eprint/10675/1/10675.pdf>

Cluster	A	B	C	D	E	F
	8	6	6	5	6	5
Task Output	++	++	+	-	--	--
Team Process	++	-	-	-	+	-
(Attendance)	(++)	(+)	(+)	(+)	(-)	(--)
Individuals	++	+	-	-	-	-

Table 4. Analysis of Clusters by the three pillars of group work: The Task, Team and Individuals. ++ denotes excellent; + good; - poor; -- very poor.



C.



D.



E.



F.



Conclusions

Veterinary Educational research is challenging but is essential to:

- Justify our teaching and assessment approaches
- Provide the best learning experiences to our students
- Prepare a generation of veterinarians with the skills to tackle problems of tomorrow to enhance care, welfare, food safety and well being of humans, animals and the planet.

Twenty years from now you will be more disappointed by the things that you didn't do than by the ones you did do.

So throw off the bowlines,
Sail away from the safe harbor,
Catch the trade winds in your sails.
Explore, Dream and Discover.

Mark Twain