How to Build a Learning Community

Dr Pamela Docherty

p.docherty@ed.ac.uk

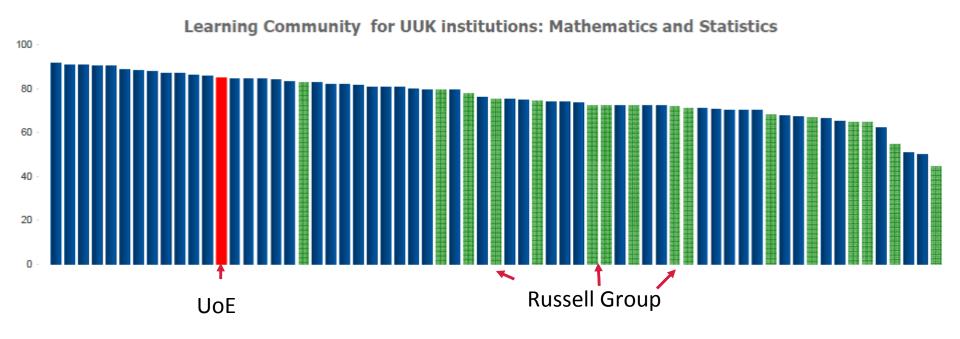


THE UNIVERSITY of EDINBURGH School of Mathematics

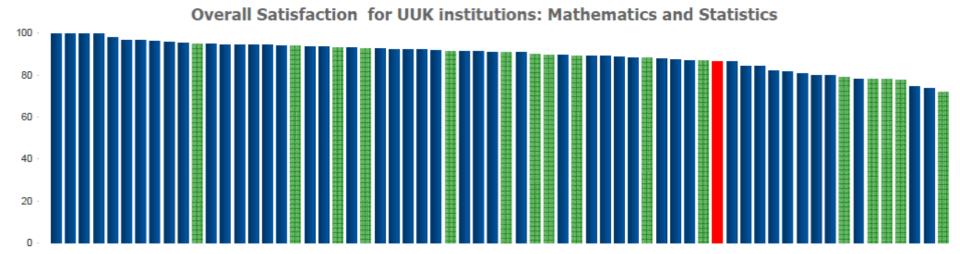


THE UNIVERSITY FEDINBURG School of Mathematics

National Student Survey Results 2017



National Student Survey Results 2017



Why learning community?

"....participating in a learning community is positively linked to engagement as well as student self-reported outcomes and overall satisfaction..."

Zhao, Kuh (2004)

Shared responsibility

Engaging students: what staff and institutions do to engage students in educationally purposeful ways

Students *engaging:* what students do – effort spent studying, their motivation and involvement in the institution

Bryson (2014)

NSS Learning Community Qs

- "I feel part of a community of staff and students"
- "I have had the right opportunities to work with other students as part of my course"

Two aspects to learning community

- Feel part of a community
- Able to learn with others

Opportunities to learn with other students

- Within the classroom
- Outwith the classroom













THE UNIVERSITY of EDINBURGES School of Methernatics

What about assessment?

What about assessment?

- High-stakes vs low-stakes
- Group projects and presentations
- Two-stage tests

- Informal interactions with staff/students
- Informed of the School's activities
- Opportunities to contribute to the School's activities
- Identifying as a mathematics student/professional attitudes towards subject

"..positive student-staff interaction and relationships are key to enhancing student motivation, engagement and academic performance"

Catherine Bovill, engagED in Learning and Teaching Conversations, 2017

- Open days/visit days
- Set expectations about what we offer and what they will contribute
- Robust induction programme (developed with Abby Shovlin and Jenna Mann, IAD)
- Welcome meetings for each year group
- Physical environment important



Communicating a strong School/professional identity

- Newsletter from Head of School
- Publicity, Engagement and Outreach Committee
- Social Media
- General Interest Seminars



Opportunities for students to contribute to their community

- MathPALS
- Outreach Team
- Student Ambassadors

- MathSoc
- Problem Solving Group
- Young Researchers' Association



Opportunities for students to contribute to change and innovation

- Class Reps
- Student-Staff Liaison Committee
- Student Reps on Committees

- Students on interview panels
- Focus groups on policy changes



Building a learning community - what doesn't work?

Social events...worth it?

- MathSoc events
- End-of-exam BBQ
- General Interest Seminar & Reception

- Final-year pizza lunch
- Ceilidh
- Welcome Lecture & Reception

Community of Practice

"University departments in research-intensive institutions that have a reputation for excellent teaching.....tend to have strong teaching microcultures that involve regular conversations about teaching and learning"

Catherine Bovill, engagED in Learning and Teaching Conversations, 2017

Lessons learned

- Start early in the degree programme induction is key
- Informal interactions with staff more emphasis on learning than social
- Build group learning into classroom (but not for assessment!)
- Culture change takes time

What next?

- Engaging the disengaged
- Bringing together diverse student groups

Discussion & Questions

- Does your subject area have a strong learning community?
 What are the advantages and challenges?
- What good practice can you share/would you like to adopt?

Acknowledgements

- Toby Bailey, Director of Teaching, SoM
- Iain Gordon, Head of SoM and previous HoS' Harry Braden & Michael Singer
- Ross Galloway, Judy Hardy and the Physics Education Research Group

References

- Bryson, C. (Ed.). (2014). *Understanding and developing student engagement*. Routledge.
- Chickering, A.W. & Gamson, Z.F. (1987) Seven principles for good practice in undergraduate education. AAHE Bulletin March, pp3–7 *Cuseo 2007.*
- Zhao, C. M., & Kuh, G. D. (2004) Adding value: Learning communities and student engagement. *Research in higher education*, 45(2), 115-138.
- Bovill, C. (2017) EngagED in Learning and Teaching Conversations. Institute for Academic Development, University of Edinburgh