



STUDENTS AS SCHOLARS

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Undergraduate Scholarship: Local is global, and global is local

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Re-creation of a Nasca Textile by Rebecca Nelson





What is undergraduate research?

- Council on Undergraduate Research: Undergraduate research (scholarship and creative activity) is an inquiry or investigation conducted by an undergraduate in collaboration with a faculty mentor that makes an original intellectual or creative contribution to the discipline
- Mason: Student scholarship is the process of generating and sharing knowledge or creative works

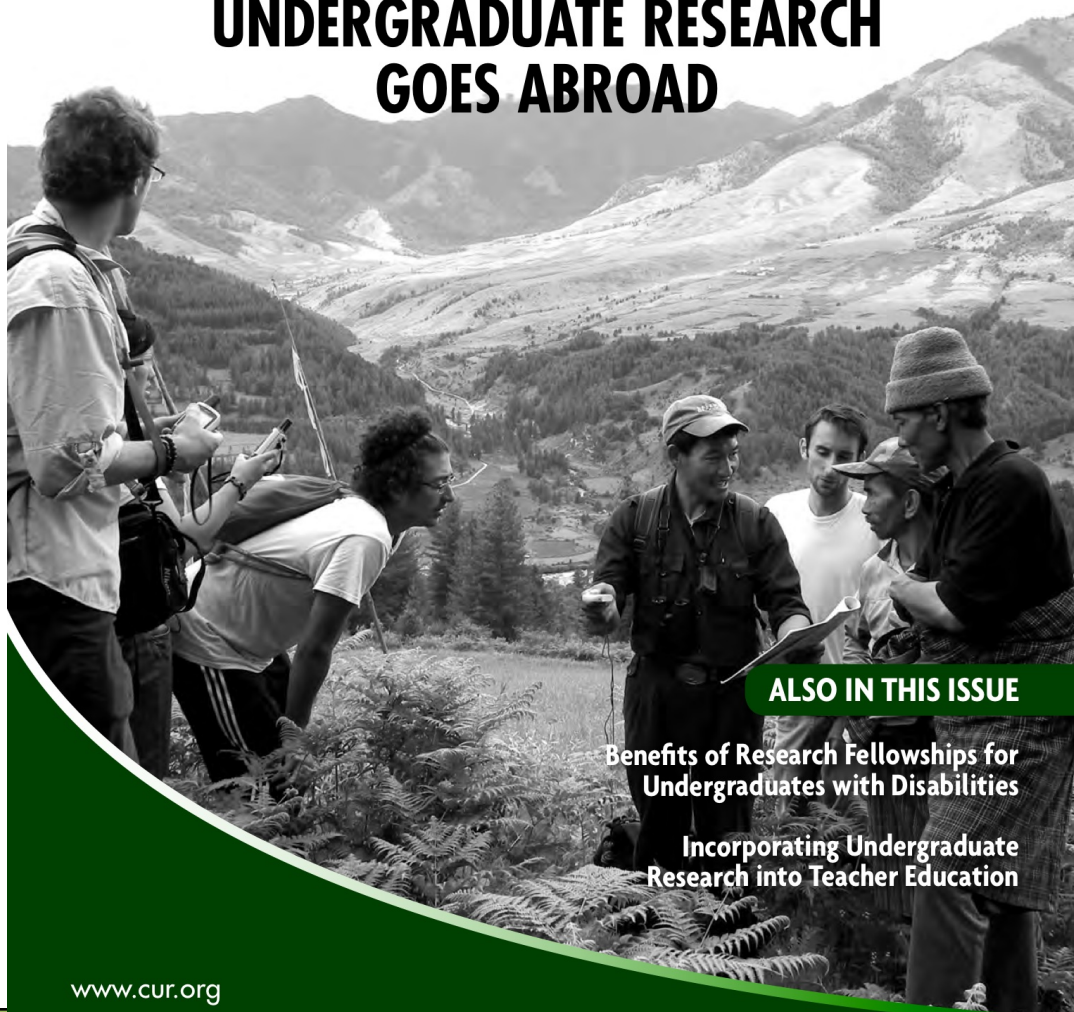
Why is a global perspective important for our students?

Through global learning, students should:

1. Become informed, open-minded, and responsible people who are attentive to diversity across the spectrum of differences,
2. Seek to understand how their actions affect both local and global communities, and
3. Address the world's most pressing and enduring issues collaboratively and equitably.

Winter 2014 Issue | Volume 35, Number 2

UNDERGRADUATE RESEARCH GOES ABROAD



ALSO IN THIS ISSUE

Benefits of Research Fellowships for Undergraduates with Disabilities

Incorporating Undergraduate Research into Teacher Education



Global Intersections with Undergraduate Research/Inquiry

Local

Abroad

Local or regional interest

General interest (implicitly global)

Internationally or globally focused

Learning Outcomes that at Least Four in Five Employers Rate as Very Important

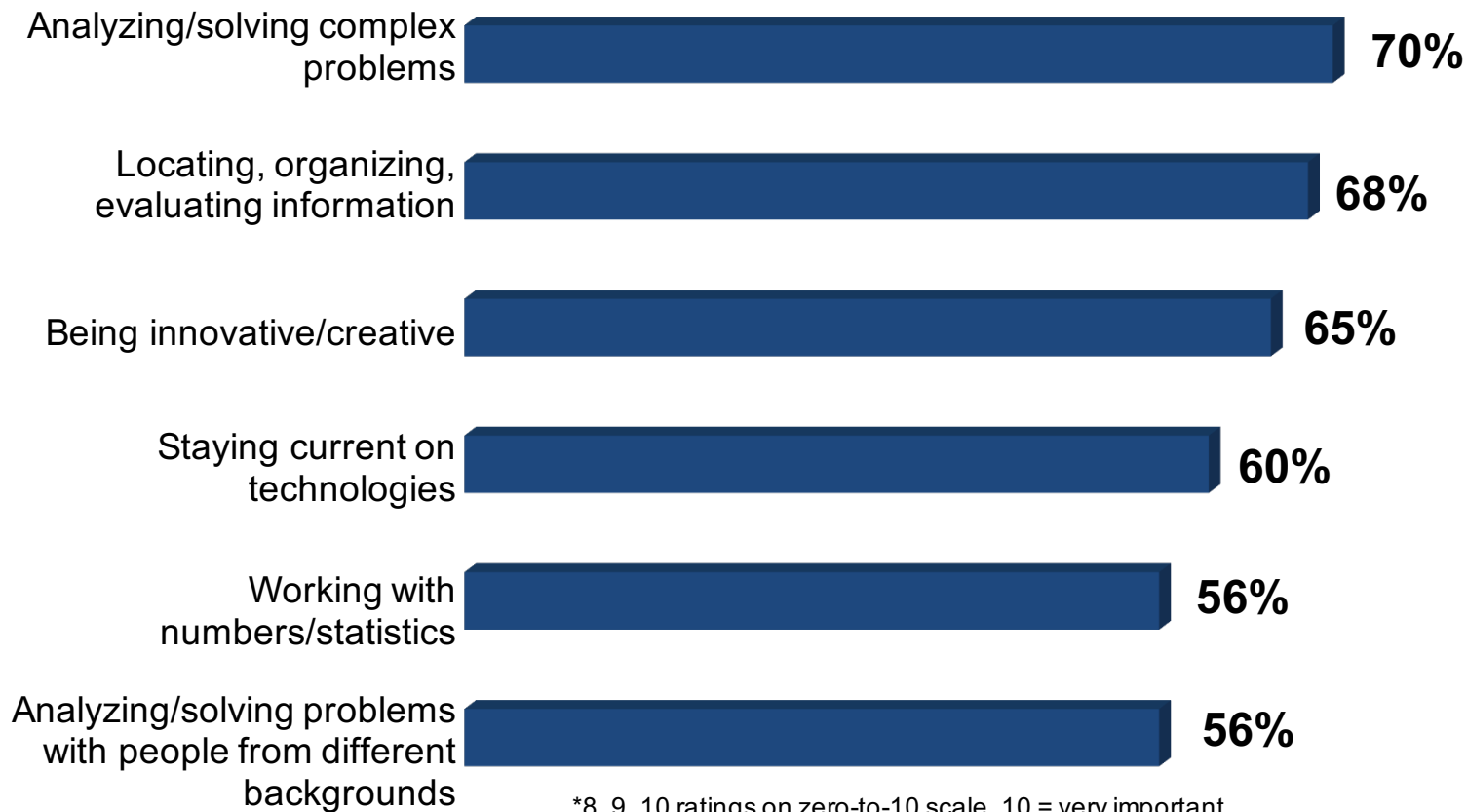
*Proportions of employers rating each skill/knowledge area as very important for recent college graduates to have**



*8, 9, 10 ratings on zero-to-10 scale, 10 = very important

Learning Outcomes that More than Half of Employers Rate as Very Important

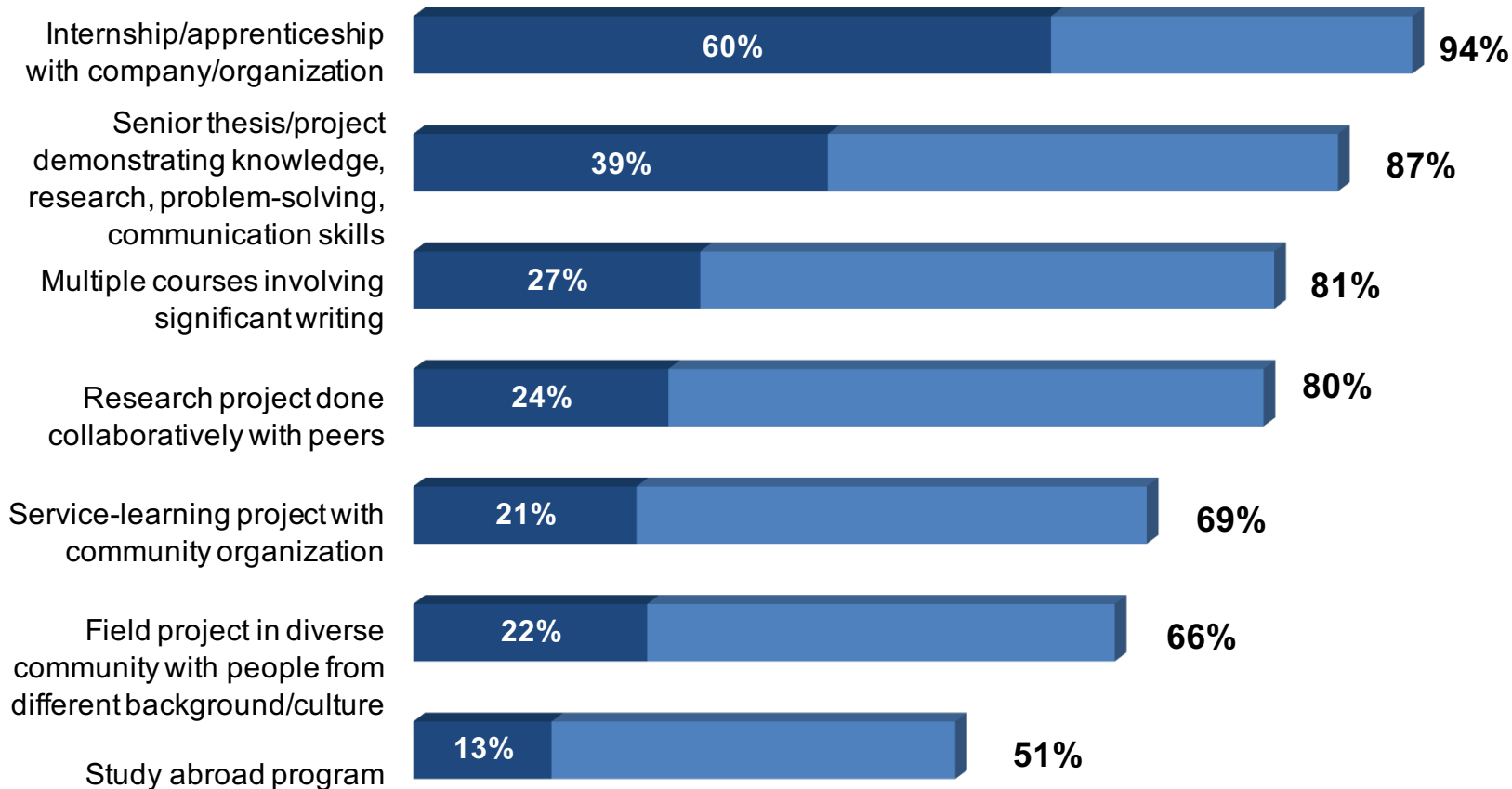
*Proportions of employers rating each skill/knowledge area as very important for recent college graduates to have**



Employers say they are more likely to consider hiring recent college graduates who have completed an applied learning or project-based learning experience.

How much more likely is your company to consider hiring recent college graduates if they have had this experience?

■ Much more likely to consider





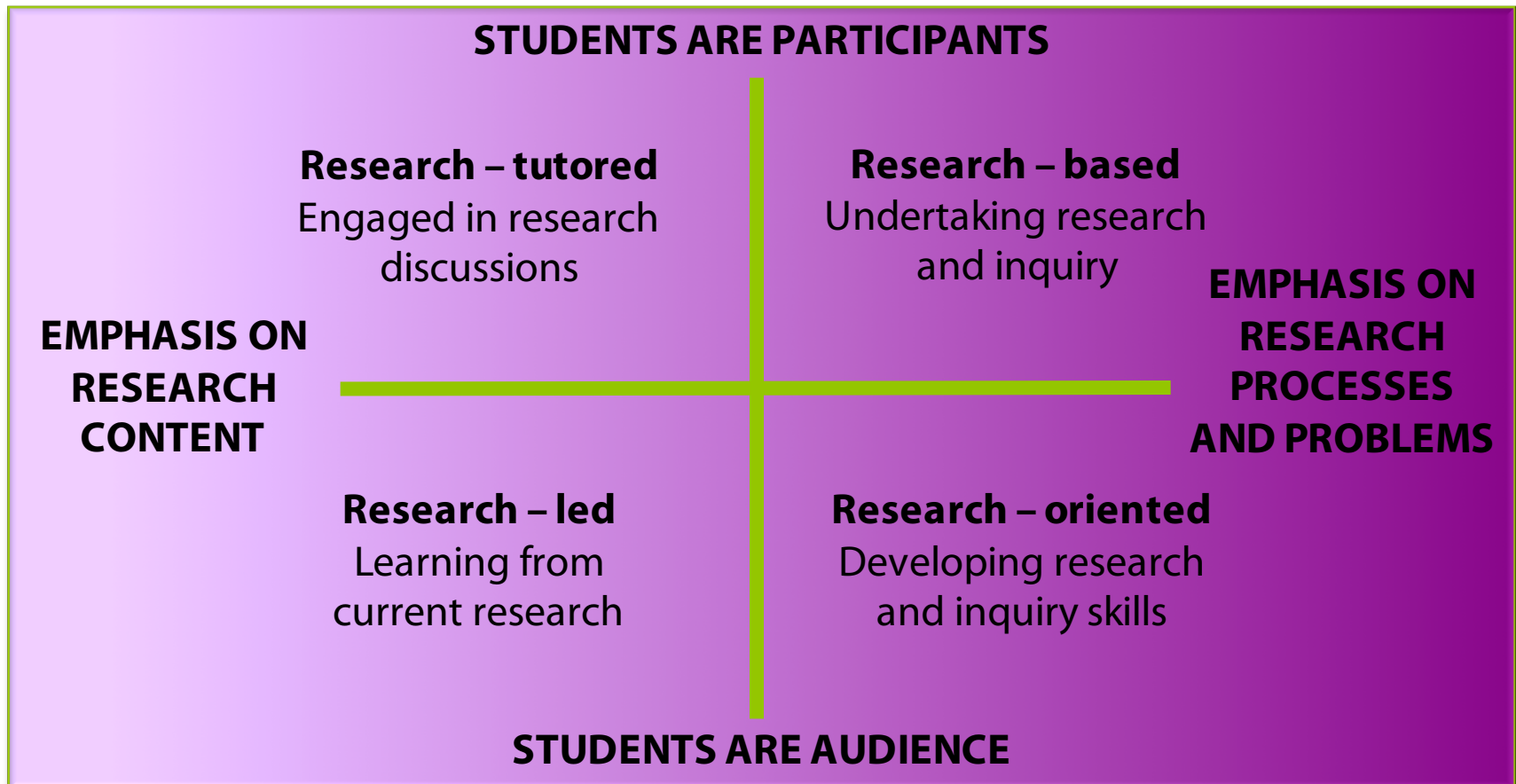
Course-based Research

- Many students
- Data-intensive projects
- Emphasizes collaboration
- Needs structure
- Students learn more process skills

Mentored or Individualized Research

- Fewer students
- Intensive projects
- Individualized mentoring
- Flexible
- Students learn more critical thinking skills

The nature of undergraduate research and inquiry



Adapted from Healey and Jenkins, 2009:7,
from <http://www.thinkingwriting.qmul.ac.uk/ideas/researchbasedapproach/teachingandresearch>

Developmental approach to inquiry-based learning

	Traditional Hands-on	Structured	Guided	Student Directed	Student Research
Topic	Teacher	Teacher	Teacher	Teacher	Teacher/Student
Question	Teacher	Teacher	Teacher	Teacher/Student	Student
Materials	Teacher	Teacher	Teacher	Student	Student
Procedures/ Design	Teacher	Teacher	Teacher/Student	Student	Student
Results/ Analysis	Teacher	Teacher/Student	Student	Student	Student
Conclusions	Teacher	Student	Student	Student	Student



“Going to a library... is only part of what happens when many disciplinary professionals pursue research. The term ‘research paper’ conveys to our students the going-to-the-library part but leaves out the critical inquiry part”

Digitizing Virginia's botanical records – Andrew Weeks



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Hidden in Plain Sight – Center for History and New Media



Explore AMERICA'S past
through everyday objects

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Abroad

Local or regional interest

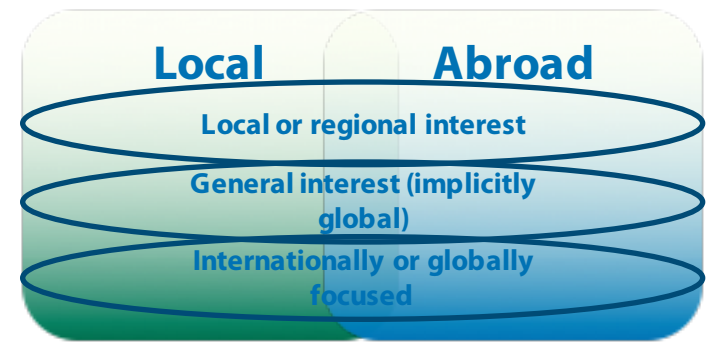
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Translating Maya Hieroglyphs – Erica Gallis



Antimicrobial activity in the bedbug – Monique vonHoek and students



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Human Rights in Peru



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Geology 302: Mineralogy



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Thank you!

Dr. Bethany M.
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