 National Institutes of Health  
*The Nation's Medical Research Agency*


 North Dakota  
INBRE  
North Dakota  
National Institute of Biomedical Research Excellence




# Developing Undergraduate Research Capacity in Tribal Colleges

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American Indian Health Research Conference  
Grand Forks, North Dakota


 The University of North Dakota  
School of Medicine & Health Sciences

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 Center for Rural Health  
The Center for Rural Health  
The University of North Dakota


*Spirit Lake Demographic and Mental Health Pilot Project*  
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# Interactive Partnership

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## Undergraduate Research

- Introduction to Research Class
  - Intensive (1 week)
  - Ethics
  - Concepts
  - Vocabulary
  - Skill Development

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## Undergraduate Research

- Research Practice Class
  - Laboratory Format
  - Community Based Research
  - Relevant to Needs of Community
  - Supervision by Spirit Lake Planning
  - Report Results to Community

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## Introduction to Research

- 48 hours, 3 credits, Certificate
- Research Issues
- Ethics
- Community Based Participatory Research in American Indian Communities
- Human Subjects Protections (IRB)
- Skills (Interviewing, Focus Groups)
- Statistics (Excel, SPSS)
- Cultural Considerations

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## I2R: Course Objectives

- Passing UND Institutional Review Board Exam
- Understanding Confidentiality & Privacy
- Understanding Ethical Research in American Indian Communities
- Basic Ability to use Excel & SPSS for stats.
- Know special considerations for research in AI communities
- Know Dakota & Western perspectives of topic

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## I2R: Educational Outcomes

- Communication
  - Oral and written
- Critical Thinking & Problem Solving Skills
  - Argument, facts, solutions, prediction
- Technology
  - Word processing, spreadsheet, database
- Numerical data
  - Enter data, simple analysis, create charts
  - Solve multi-step problems through reasoning

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## I2R: Schedule -- Day 1

- Introductions
- Research History & Ethics
- Potential Harms of Research
- Quantitative Research Methods
  
- Assignment
  - Reflection Paper

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## I2R: Schedule -- Day 2

- Turn in Reflection Paper
- Review of Ideas in Reflection Papers
- Qualitative Research Methods
- SPSS Lab
  
- Assignment
  - SPSS Assignment


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## I2R: Schedule -- Day 3

- Turn in SPSS Assignment
- Data Usage
- Informed Consent
- Confidentiality
- IRB Training
  
- Assignment
  - IRB Exam (open notes)


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## I2R: Schedule -- Day 4

- Review IRB Exam
- MS Excel Lab
- Qualitative Research Methods
- Facilitation Skills
- Focus Groups (didactic & experiential)
  
- Assignment
  - Excel Assignment

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## I2R: Schedule-- Day 5

- Excel Assignment Due
- Dakota Cultural Perspective on Mental Health
- Western Cultural Perspective on Mental Health
- Research Design Exercise
- Wrap Up

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## Student Perspectives

- Individual Impact
- With Other Coursework
- In the Community
- Down the Career Path

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## Questions???



## For More Information Contact:

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