

A PERFECT STORM:

CAMPUS WIDE COURSE RE-DESIGN AT AN AMERICAN R1 UNIVERSITY MEETS THE PACIFIC RIM

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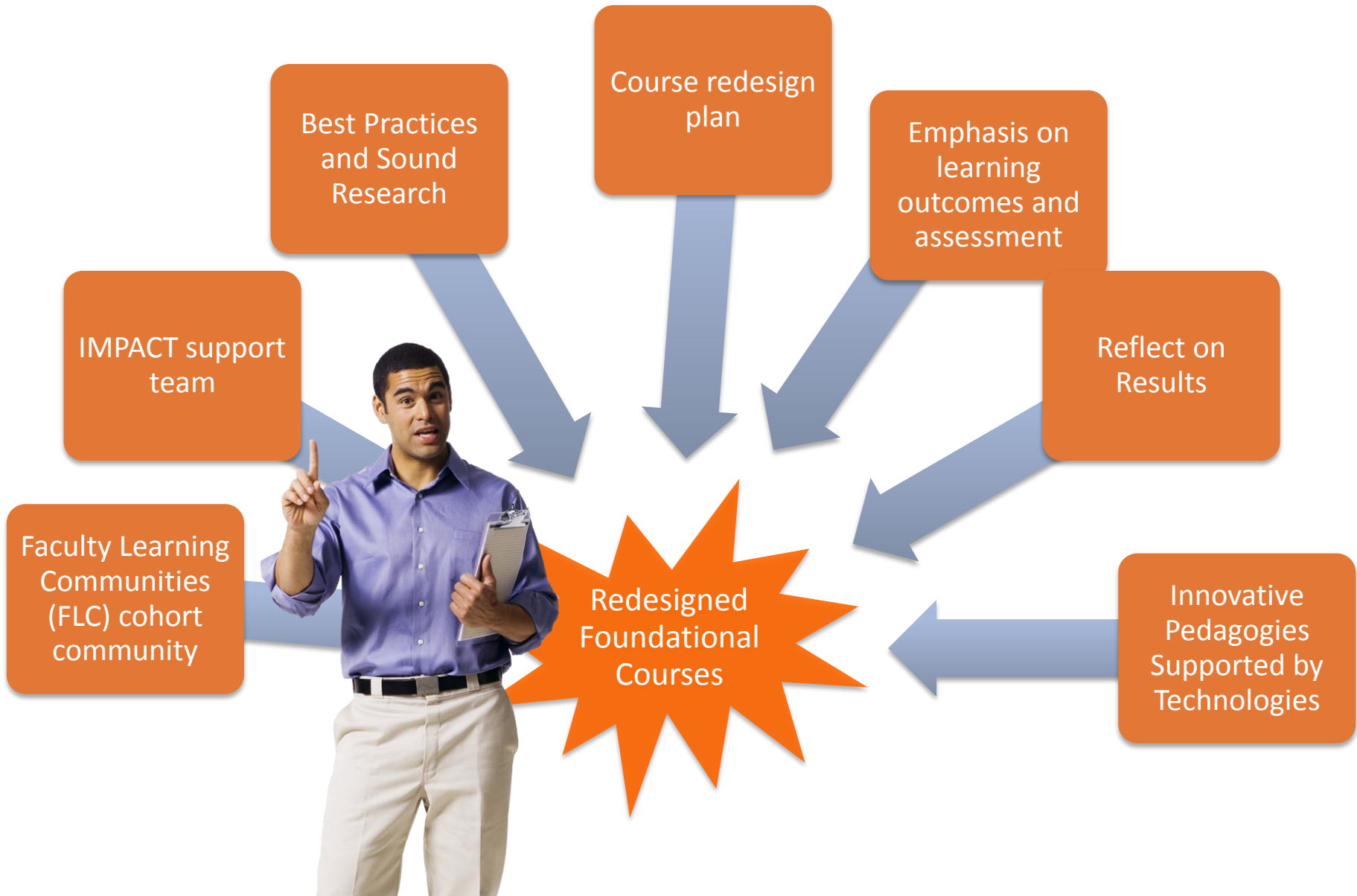
The Large Lecture Experience



IMPACT

- **INSTRUCTION**
- **MATTERS:**
- **PURDUE**
- **ACADEMIC**
- **COURSE**
- **TRANSFORMATION**

IMPACT





Design activities for a student-centered learning environment

Faculty learn about active and collaborative learning



Photo by launo2010

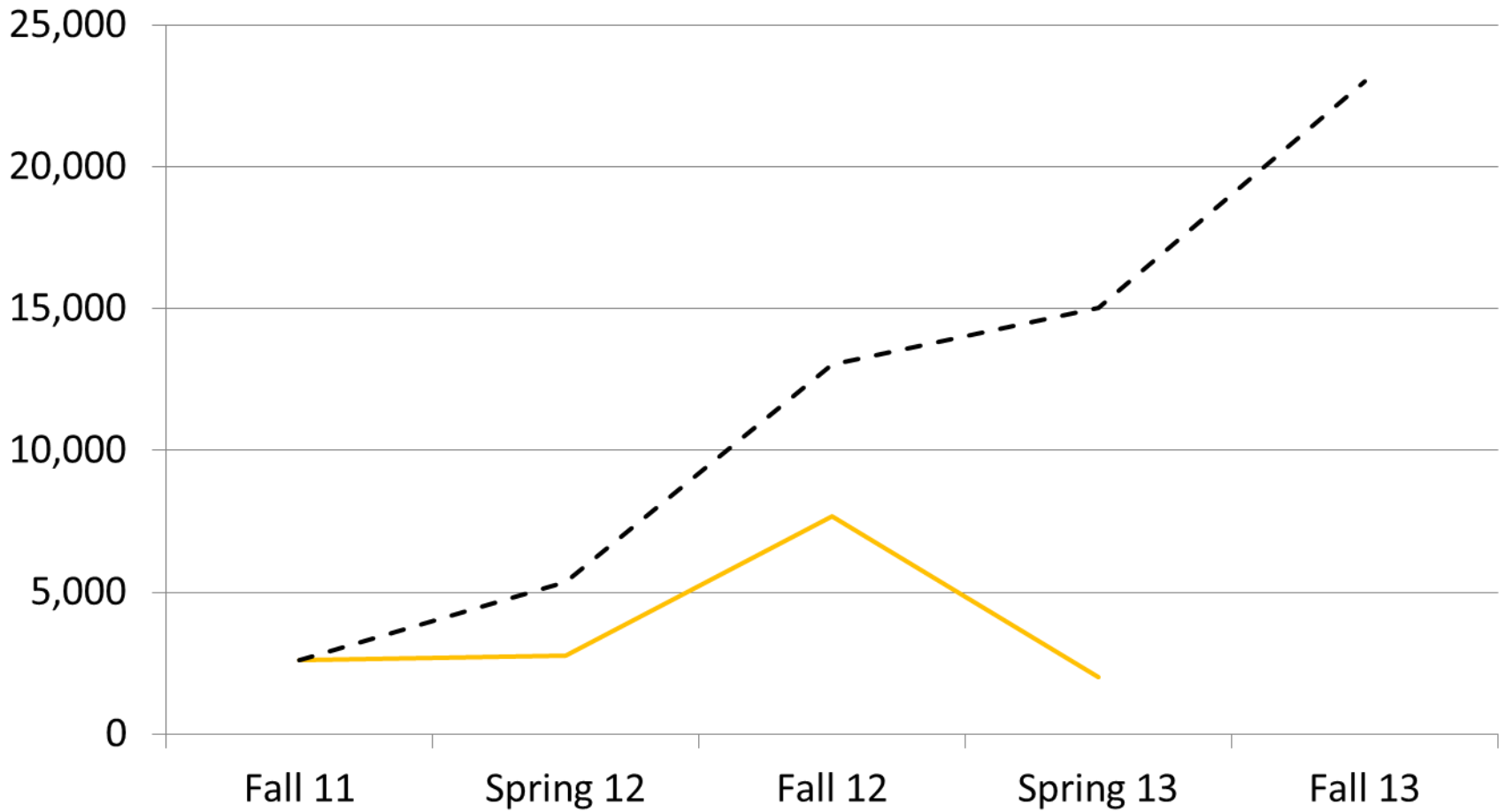
Outcomes: student engagement, confidence, and increases in specific learning outcomes and higher-order critical thinking

CAMPUS-WIDE SUPPORT

- Office of the Provost
- Information Technology @ Purdue
- Purdue Libraries
- Purdue Extended Campus
- Discovery Learning Research Center
- Center for Instructional Excellence

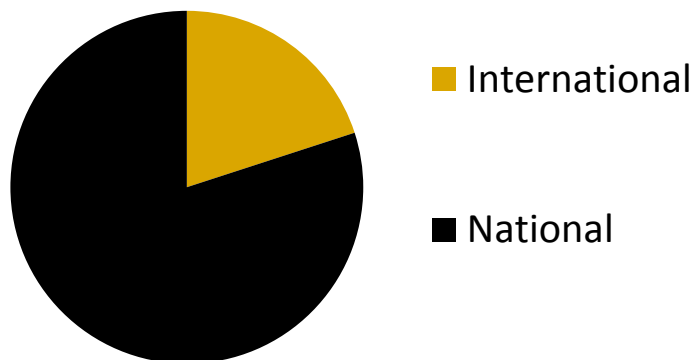


STUDENTS IMPACTED

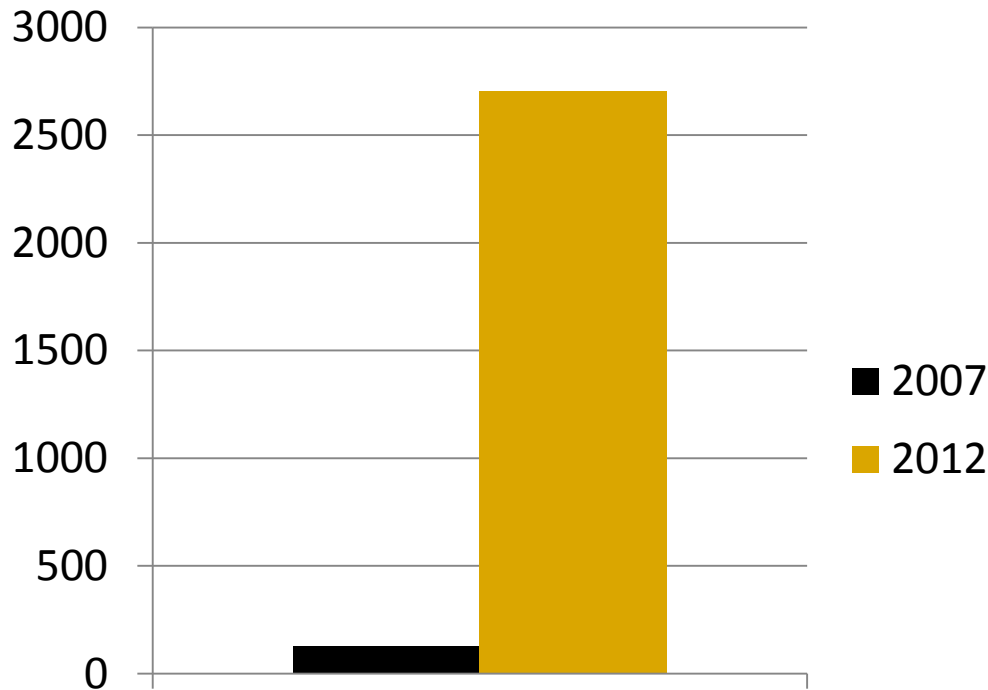
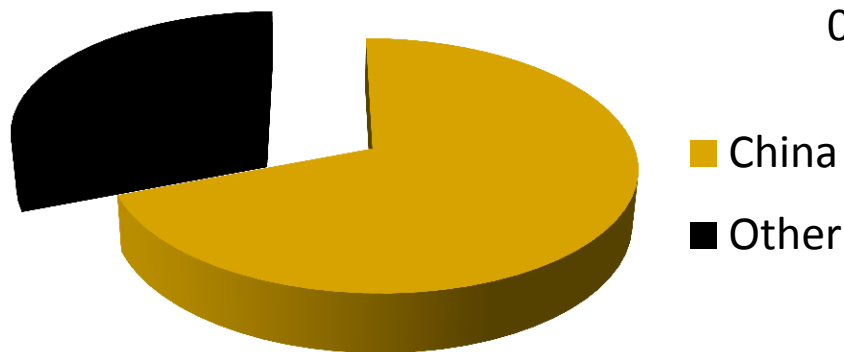


INTERNATIONAL STUDENTS AT PURDUE

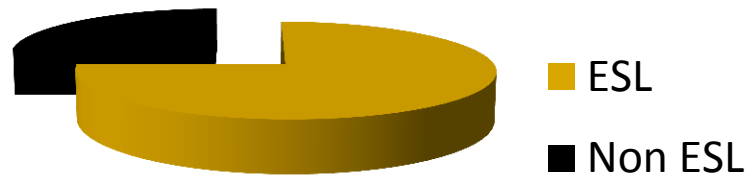
Students Enrollment at Purdue



International Students



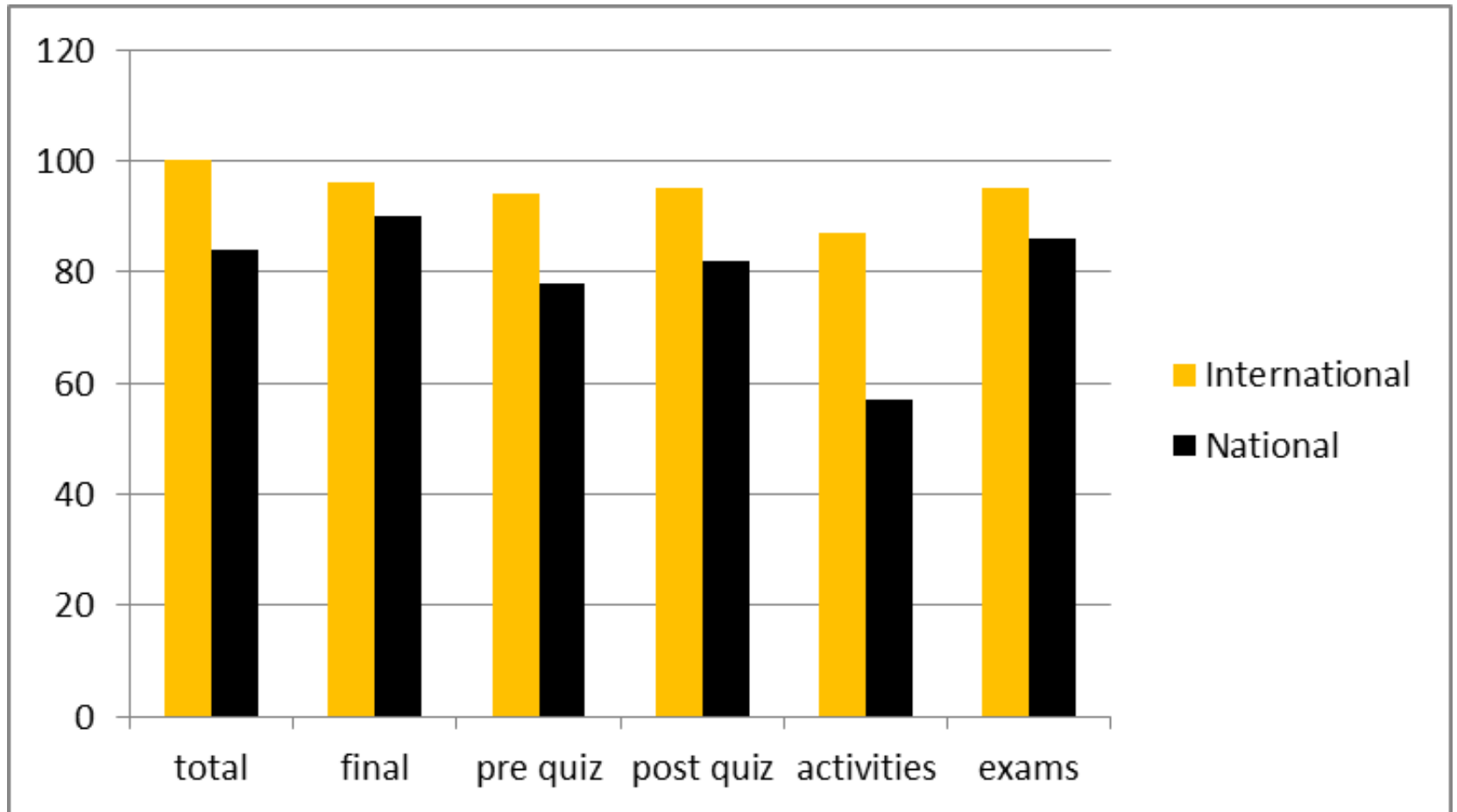
Number of Chinese Students International Students



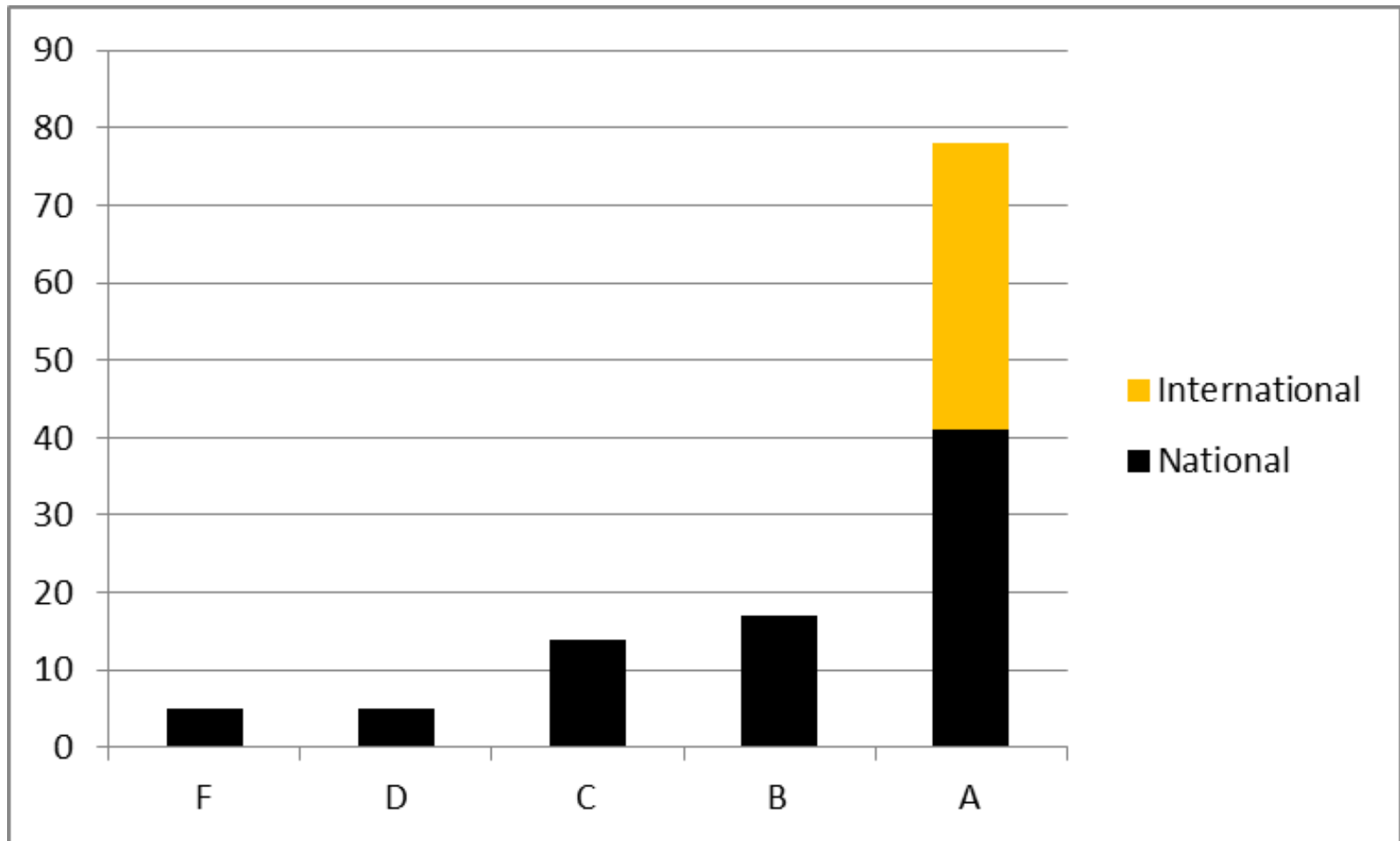
PILOT STUDY WITH INTERNATIONAL STUDENTS

- Reading centered course
- Use of technology enhanced pedagogies
- Use of ESL-friendly pedagogies
- 119 students
 - 39 International students (33%)

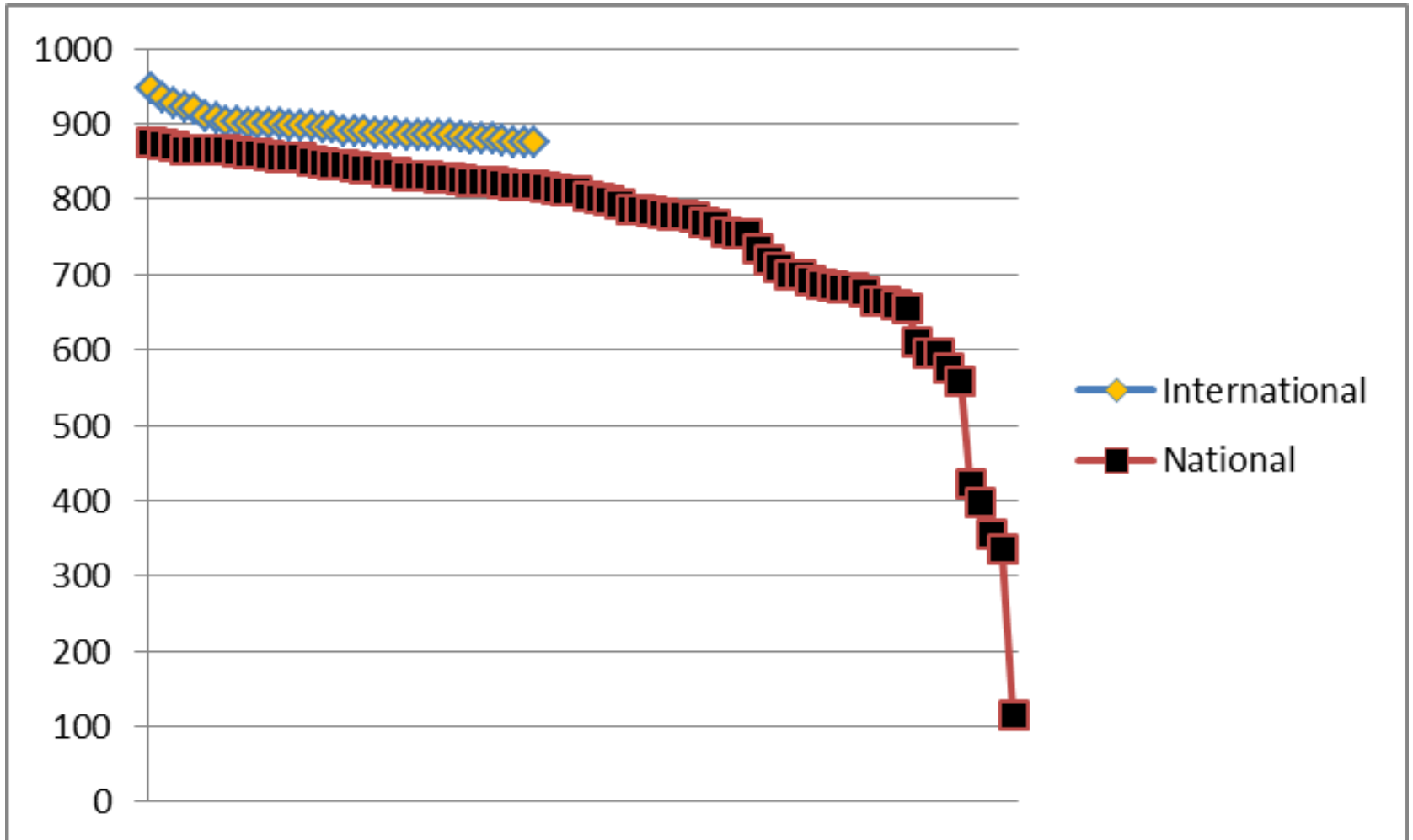
PERCENT OF POINTS REQUIREMENT



DISTRIBUTION OF LETTER GRADES



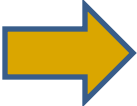
DISTRIBUTION OF TOTAL POINTS



POL 101 IMPACT CLASS

- Large service course (N = 171)
- International students (N = 12 or 7%)
- Use of technology enhanced pedagogies (Hotseat)
- Use of active learning “mini-research projects”

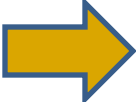
IMPACT ON FINAL EXAM SCORES

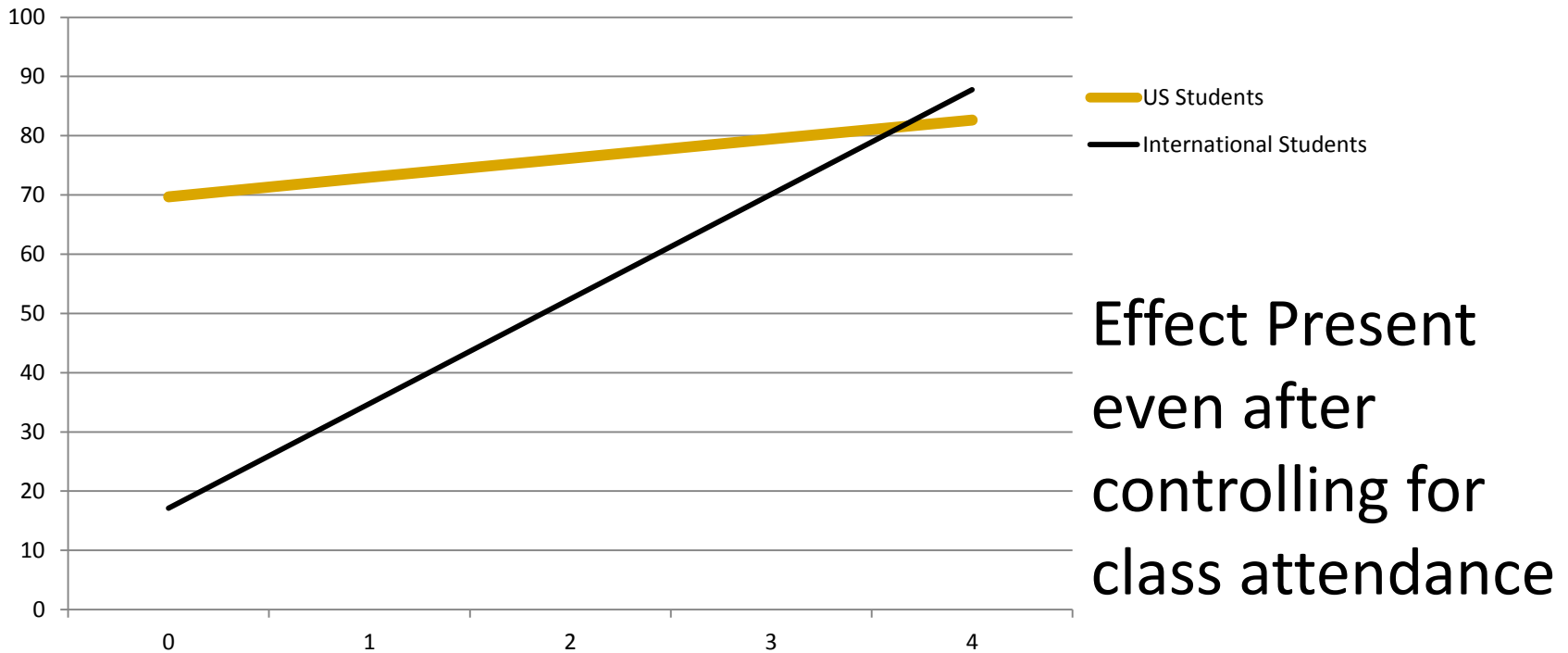
- Successful active learning mini-research projects  improved performance

Variables	Beta Weights	Significance
Active Learning Research Projects	.28	.000
Hotseat Posts	-.02	.845
International Status	.032	.674

Predicting Performance on Final Exam

IMPACT ON FINAL EXAM SCORES

- “Payoff” of active learning mini-research projects  greater for International students



IN SUM...

- IMPACT active learning strategies are beneficial



- Especially for International students