



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

Technology, Access, and Learning. Is having the PowerPoints the Same as Learning the Material?

Dr. Margaretha Rudstrom University of Minnesota Crookston
207 Hill Hall, 2900 University Ave, Crookston MN 56716
(218) 281-8138
rudstrmv@umn.edu

Selected Poster prepared for presentation at the Agricultural & Applied Economics Association's 2014 AAEA Annual Meeting, Minneapolis, MN, July 27-29, 2014.

Copyright 2014 by Dr. Margaretha Rudstrom. All rights reserved. Readers may make verbatim copies of this document for non-commercial purposes by any means, provided that this copyright notice appears on all such copies.

Technology, Access, and Learning

Is Having the PowerPoints The Same as Learning the Material?

Dr. Margot Rudstrom Agriculture and Natural Resource Department

Background

- UMC students have laptops
- Over 70% of UMC courses have websites via Moodle
- Students expect access to lecture PowerPoint presentations as their primary source of lecture notes
- Course grades in two upper division courses were declining over time
- Replaced pop quizzes with handwritten notes as part of course grade

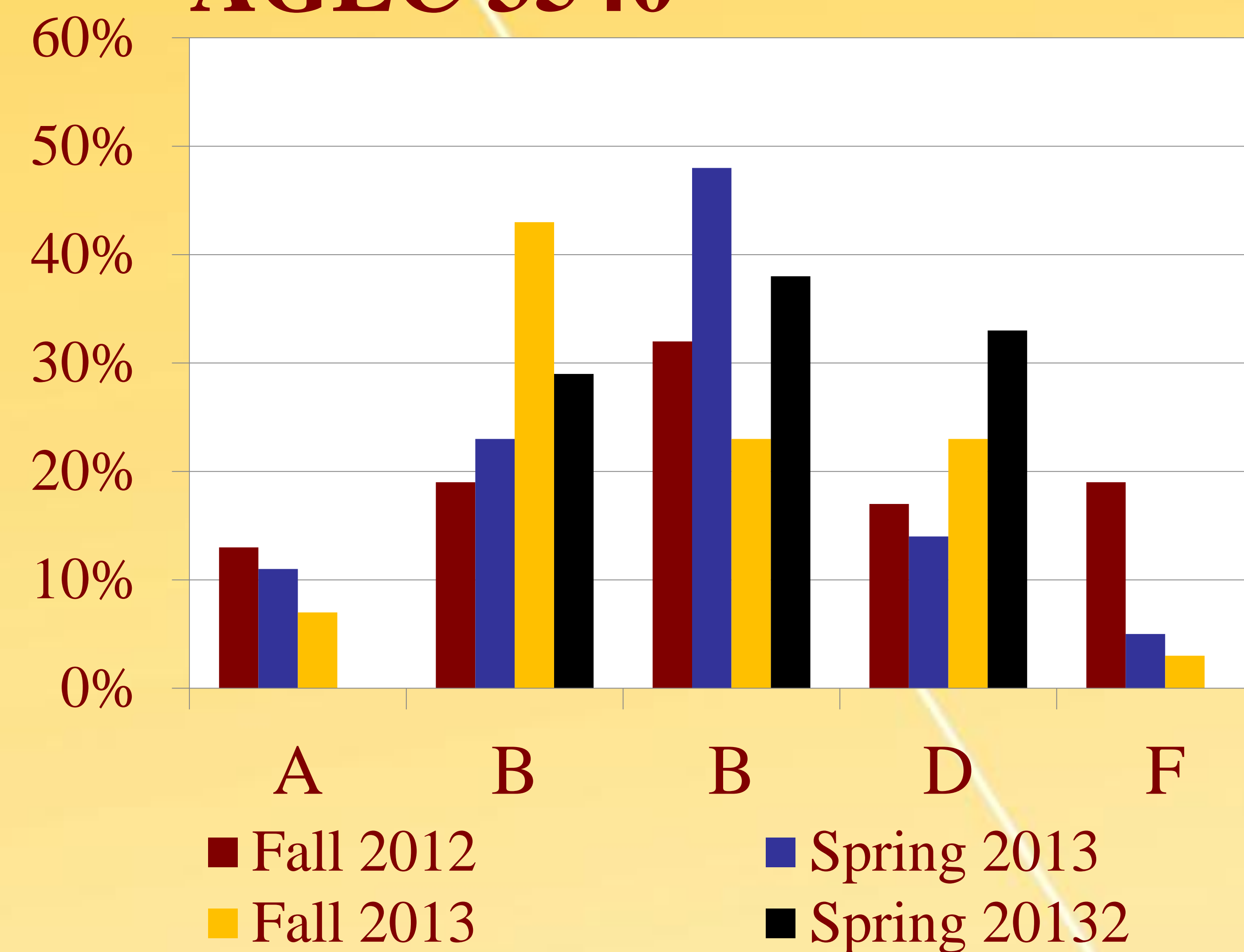
Data 2012-2014

- AGECE 3540 Farm Business Management
- AGECE 4740 Grain and Livestock Marketing
- 2012-2013 had pop quizzes and access to PowerPoint lectures
- 2013-2014 had handwritten notes and no PowerPoint lecture access

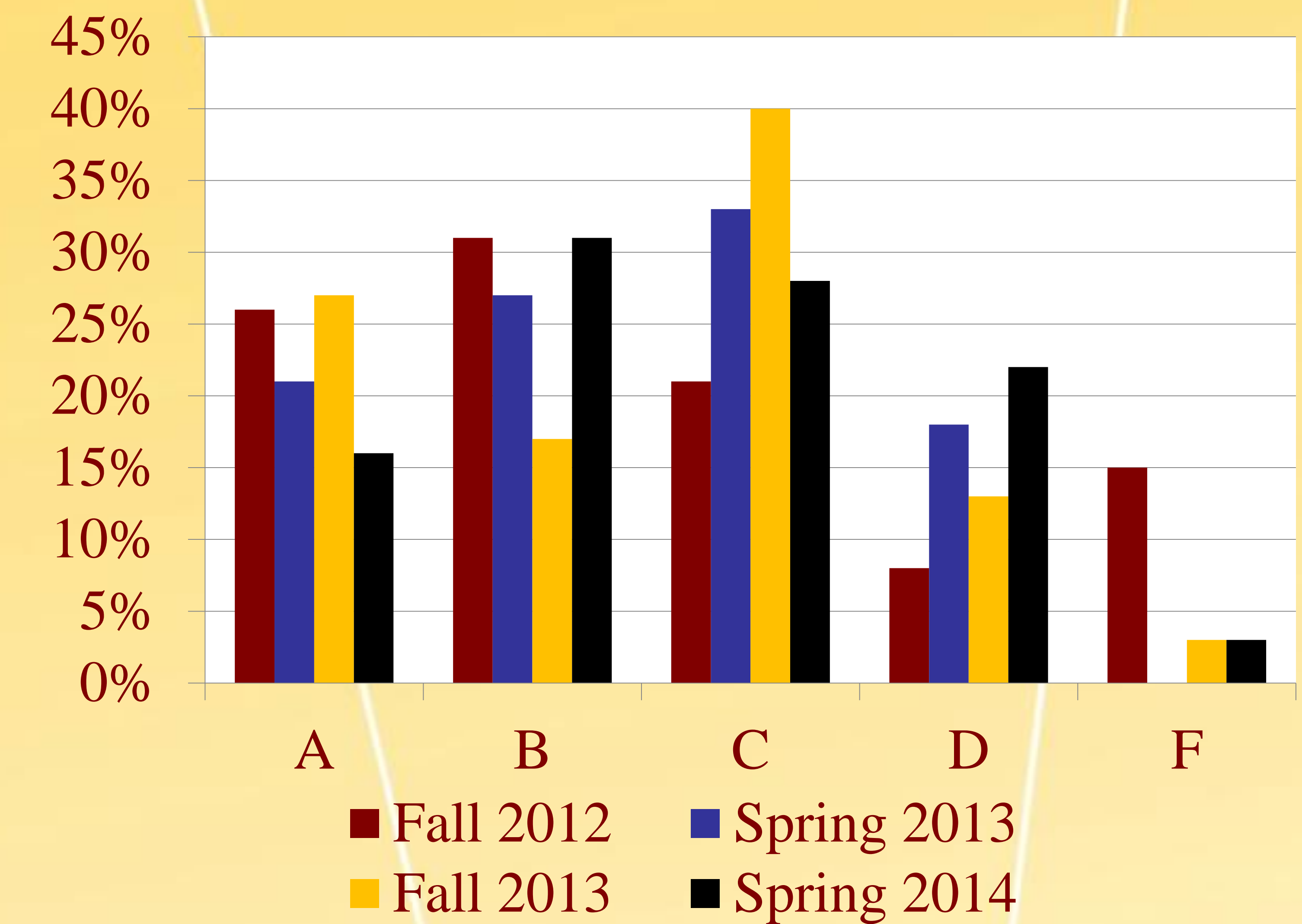
Course Enrollment

	AGECE 3540	AGECE 4740
Fall 2012	47	39
Spring 2013	44	33
Fall 2013	30	30
Spring 2014	21	32

Grade Distributions AGECE 3540



Grade Distribution AGECE 4740



Student Comments - Fall 2013

- I liked taking notes from the white board better than on PowerPoint. It helped me be a better learner
- I really liked taking notes rather than quizzes
- I think handwritten notes helped a ton
- I liked taking notes and not quizzes. I have a better comprehension of the subject matter because of the required notes
- Handwritten notes were very helpful
- I loved the fact we had to hand write our notes. It made it a lot easier to answer the questions on the exams
- Note taking helped to keep everything in order and kept the class engaged
- I LOVED that tact we had to hand write notes! It was so helpful to actually read and write our own notes



UNIVERSITY OF MINNESOTA
CROOKSTON
Small Campus. Big Degree.