

Debra L. Chapman, Ph.D.

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University of South Alabama
School of Computing
Shelby Hall 1109
Mobile, Alabama 36688
251-460-7370 (Office Phone)

Education

Ph.D., Instructional Technology 2013
The University of Southern Mississippi, Hattiesburg, Mississippi
GPA – 4.0

Dissertation: Multimedia Instructional Tools and Student Learning in
Computer Applications Courses

Research Areas of Interest:

- Multimedia Instructional Tools
- Distance Learning
- Flipped Classrooms

Masters of Science, Computer and Information Sciences 1997
University of South Alabama, Mobile, Alabama
Concentration: Information Sciences
GPA. – 3.81

Bachelors of Science – Dual Major 1989
Secondary Education and Social Studies
The University of Southern Mississippi, Hattiesburg, Mississippi
Graduated with Honors, GPA – 3.6

Professional Experience

Assistant Professor - School of Computing 2013 - Present
University of South Alabama

Senior Instructor – School of Computing 2006 -2013
University of South Alabama

Instructor – School of Computing 1998-2006
University of South Alabama

Curriculum Development

Design, Developed, and Implemented a Social and Educational Computing Course
Redesign of Introductory Computer Applications Course based on National Course
Redesign Criteria
Redesign of Advanced Computer Applications Course based on National Course Redesign
Criteria
Online Course Development for Introductory and Advanced Application Development
Courses
Development of Introduction to Computer Programming Course
Redesign Application Development Course (ITE 353)
Redesign of Introduction to ITE Sequence Sources (ITE 271 and 272)
Development of Computer Applications Placement Exam / Computer Proficiency Exam
Development of Honors Curriculum for Advanced Computer Applications
Development of Advanced Computer Applications Service Course for Business Majors

Classes Taught

CIS 110 – Introduction to Computer and Information Sciences
CIS 115 – Introduction to Problem Solving and Programming
Software/Language: Alice, Visual Basic
Traditional and Blended Format
CIS 150 – Introduction to Computer Applications
Software: Microsoft Office
Traditional, Blended and Online Format
CIS 155 – Social and Educational Computing
Software: Sakai, Google Docs, Google Spreadsheets, Google Presentations, Audacity,
Windows Movie Maker, Second Life
Blended Format
CIS 120 – Problem Solving and Programming I - Language: Java
CIS 121 – Problem Solving and Programming II - Language: Java
CIS 250 – Advanced Computer Applications
Software: Microsoft Office
Traditional, Blended and Online Format
ITE 271 – Introduction to Information Technology
Traditional and Blended Format
ITE 272 – Information Technology II
ITE 285 – Scripting and Windows Programming - Language: Visual Basic
ITE 285 – Intermediate Programming - Language: Visual Basic
CIS 321 – Data Communications and Networking
Blended Format
CIS 324 – Database Design and Development - Software: Sql-Server
ISC 353 – Information Systems Application Development - Language: Cobol
ITE 370 – Advanced Application Development (Software/Language: Sql-Server, Visual
Basic)
Traditional and Online Format

Grants

Alabama Innovation Fund – Renewal Program sponsored by the Alabama Department of Commerce (2012 – 2013). PI: Harvey Barnett.

Total funded: \$78,617.00

2013 Student Seed Fund Grant – Program sponsored by NCWIT (National Center for Women and Information Technology). PI: Debra Chapman.

Total Funded: \$750.00

EPSCoR Track 3: Statewide Outreach to Increase Women in Computing – Sponsored by the National Science Foundation (2014 – 2018). PI: Debra Chapman.

Pending – Total Budget: \$749,947.00

EPSCoR RII Track 1: Improving Alabama’s Research Infrastructure through Statewide Cyber Security and Response Research Collaboration (2014 – 2019). PI: Alec Yasinsac

Pending – Total Budget: \$20,000,000.00

RET in Engineering and Computer Science Site: Developing STEM Teacher Research Skills through Summer Projects in Computing. (2014 – 2017). PI: Debra Chapman

Pending – Total Budget: \$493,481.00

2013 Faculty Seed Fund Grant – Program Sponsored by NCWIT (National Center for Women and Information Technology). PI: Debra Chapman.

Pending – Total Budget: \$10,000.00

Publications and Presentations

Chapman, D., and Wang, S. (2013), *Multimedia Instructional Tools Impacting Student Learning in Computer Applications Courses*. Educational Technology Research and Development. **Pending**

Chapman, D. (2013), *Recruiting Kindergarteners into the School of Computing – Abstract*, South Alabama Conference on Teaching and Learning, Mobile, Alabama.

Chapman, D. (2013), *Overview of Technology Plan*. In Wang, S. and Hartsell, T. (Eds.) *Technology Integration and Foundations for Effective Leadership (71-87)*. Hershey, PA: IGI Global.

Chapman, D., Bynog, M., and Yocum, H. (2013), *Assessment, Evaluation and Revision of a Technology Plan*. In Wang, S. and Hartsell, T. (Eds.) *Technology Integration and Foundations for Effective Leadership (124-150)*. Hershey, PA: IGI Global.

Chapman, D. (2012), *An Alternative Approach to Computer Literacy – A Work in Process*, ISECON, New Orleans, LA

Vest, S., Chapman, D., and Denton, L. (2011), *Studio Based Learning in an Introductory Programming Class: A Collaborative Study*, 2011 International Association of Computer Information Systems and 2011 Issues in Information Systems.

Publications and Presentations (Continued)

- Chapman, D. and Vest, S. (2011), *Studio Based Learning in an Introductory Programming Class – Abstract*, South Alabama Conference on Teaching and Learning, Mobile, AL.
- Chapman, D., Clark, A., and Daigle, R. (2011), *Course Redesign of Computer Applications Courses – Poster*, South Alabama Conference on Teaching and Learning, Mobile, AL
- Chapman, D. (2007), *Advanced use of myitlab - Presentation*, Pearson Education Southern Region User’s Group Meeting, Birmingham, AL.
- Johnson, R., Chapman, D., Denton, L., and Doran, M., (2003), *Redefining the Definition of a Breadth-First Introductory Programming Course in Computing*, – ACM Mid-Southeast Chapter Fall Conference, Gatlinburg, TN.
- McKinney, D., Chapman, D., Denton, L. (2002), *Introductory Programming Birds of a Feather Session*, SIGSCE, Cincinnati, OH.
- Chapman, D. (2001), *Development of Web Based COBOL Applications Presentation*, USA Graduate Research Seminar, Mobile AL.
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Conferences Attended

- Colloquium for Information System Security Education - 2013
- South Alabama Conference on Teaching and Learning – 2010, 2011, 2012, 2013
- International Association of Computer Information Systems - 2011
- USA E-Learning Academy on Course Redesign - 2010
- CASLCE Service Learning Workshop - 2009
- NCAT Course Design Program - 2009
- SITE Conference – 2008
- SIGITE Conference – 2007
- Prentice Hall Information Technology Development Workshops – 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
- CRAW Workshop – Managing the Academic Career for Faculty Women at Undergraduate Computer Science and Engineering Institutions – 2002, 2003, 2004, 2005, 2006, 2007
- SIGSCE Conference – 2001, 2002, 2003, 2004, 2005, 2006, 2007
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Department, College and/or University Committees

- University of South Alabama Conference on Teaching and Learning Organizational Committee – 2009 – Present
- University of South Alabama Bookstore Committee – 1999 – Present
Chairperson – 2000 and 2002
- School of Computing – Annual Fund Drive Department Chairperson – 2007 – 2010
- National JGrasp (Java Software) Advisory Committee - 2007 – 2009
- School of Computing – Student Handbook Committee 2004-2006 (Co-Chair)
- School of Computing – Advisory Board Committee – 2003 - 2005

Professional Service

School of Computing – J-WIT (Jaguar Women in Technology) Faculty Sponsor – 2012 - Present
USA Center for Forensics, Information Technology, and Security (CFITS) Workshops and Field Trip Director – Elementary and Middle School Classes – 2012 – Present
GEMS Camp Workshops – 2011 - Present
Alice Programming
Semi-Annual Computing Day Workshops - 2008 – Present
Alice Programming
Animation with Muvizu
Textbook and Software Evaluation – Course Technology - 2001 – Present
SAM Application Software
Computer Application Textbooks
Java Programming Textbooks
Computer Concepts Textbooks
Textbook Evaluation – McGraw Hill – 2000 – Present
SIM Net Application Software
Computer Application Textbooks
Textbook and Software Evaluation – Pearson Education - 1999 – Present
Myitlab Software
Computer Application Textbooks
Java Programming Textbooks
Introduction to Information Technology Textbooks
Computer Concepts Textbooks
University of South Alabama Computer Proficiency Exam Chairperson – 2001 - 2013
School of Computing – CIS 150 Class Coordinator – 2000 - 2013
School of Computing – ACM-W Co-Chair – 2008 – 2012
Prentice Hall / Pearson Education Faculty Advocate to support use of Multimedia Instructional Software – 2002 - 2012
School of Computer – Supplemental Instruction Coordinator – 2007 - 2010
School of Computing - Supervised AIS Senior Project - 2002
Programming Club Advisor – St. Luke’s Episcopal School – 2007
Alice Programming Language

Honors and Awards

Alpha Iota Mu – Information Sciences Honor Society
2012 Outstanding Instructional Technology and Design Ph.D. Student

Organizational Memberships

International Association for Computer Information Systems
Association of Information Technology Professionals
Instructional Technology Student Association

