# Debra L. Chapman, Ph.D.
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University of South Alabama
School of Computing
Shelby Hall 2105
Mobile, Alabama 36688

## Professional Experience

**Interim Associate Dean –** School of Computing (2020 – Present)
University of South Alabama

**Director of Graduate Studies –** School of Computing (2017-Present)
University of South Alabama

**Assistant Professor -** School of Computing (2013-Present)
University of South Alabama

**Senior Instructor/Instructor –** School of Computing (1997-2013)
University of South Alabama

## 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*
GPA. – 3.81

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

## 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

ITE 374 – Programming for the WWW – Language – HTML, CSS
   Traditional and Blended Format

ITE 482 – Advanced Web Development – Language – WAMP (PHP)
   Traditional and Blended and Online Format

CIS 518 – Research Methodologies
   Traditional and Blended Format

ISC 559 – IS Application Design and Implementation – Software/Language: Visual C#
   Blended and Online Format

## Publications and Presentations

Landry, J. P., Barnett, H. L., Chapman, D. L., & McCullough, R. (2019). *Four Strategies for Driving a University Pre-College Computing Outreach Program*. *30*(3), 191–201. Retrieved from http://jise.org/Volume30/n3/JISEv30n3p191.html

Black, M. E., Chapman, D. L., & Clark, A. M. (2018). *The Enhanced Virtual Laboratory: Extending Cyber Security Awareness through a Web-based Laboratory*. EDSIGCON 2017. Austin, TX.

Chapman, D. L., Conference on Teaching and Learning, "Frequent Quizzes will improve grades in my class! Well..Maybe," University of South Alabama, USA, Mobile, AL. (May 7, 2018).

Chapman, D. L., Conference on Teaching and Learning, "Frequent Quizzes will Improve Grades in My Class! Well, Maybe.," University of South Alabama, Mobile, AL. (May 7, 2018).

Black, M. E., Chapman, D. L., & Clark, A. M. (2017, November). *The Enhanced Virtual Laboratory: Extending Cyber Security Awareness through a Web-based Laboratory*. The 2017 ISCAP Conferences: EDSIGCon and Conisar.

Chapman, D. L., Women in CyberSecurity Conference, "Career Preparation Program for Recruiting Computer and Cybersecurity Students," Tennessee Tech / NSF, Dallas, Texas. (April 1, 2016).

Chapman, D., and Yasinsac, A. (2015), *CyberSecurity Training vs Education. Journal*. ECE Source, November, 2015.

Chapman, D., and Wang, S. (2014), *Multimedia Instructional Tools' Impact on Student Motivation and Learning Strategies in Computer Applications Courses*. Journal of Interactive Learning Research, November 2015.

Chapman, D., and Wang, S. (2014), *Multimedia Instructional Tools Impacting Student Learning in Computer Applications Courses*. International Journal of Information and Communications Technology Education. Spring, 2015.

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.

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.


## Department, College and/or University Committees and Service

USA Graduate Planning Sub-Committee (Fall 2019)

USA Market Analysis Sub-Committee (Fall 2019)

Graduate Council CAF Committee. (2019 - Present)

Chair, SoC Graduation Committee (2018 – Present)

IST Promotion Committee. (2019 - Present)

Administrator of SoC Website. (2017 - Present)

ICORPS Teaching Team Member (2018-Present)

Grant Proposal, National Science Foundation, Arlington, VA. (2018 – Present)

Ad Hoc Reviewer, Journal of Cybersecurity, Education, Research and Practice. (2018 – Present)

Advising Policy Council. (2017 - Present)

College Research Committee. (2017 - Present)

Graduate Council. (2017 - Present)

Honorary Doctorate Committee. (2017 - Present)

Editor, Cogent Education. (2015 – Present)

Chair of the Computer Science Division of Science Fair, Mobile Regional Science and Engineering Fair, Mobile, AL. (2015-Present)

Member of Graduate Faculty. (2014 - Present)

Workshop Presenter, CFITS - Hollas/Camps/Computing Day Presentations. (2014 – Present)

Ad Hoc Reviewer, Cogent Business & Management. (2013 - Present)

Ad Hoc Reviewer, Cogent Education. (2013 - Present)

SoC Retention Committee. (2012 - Present)

SoC Undergraduate Academic Standards Committee. (2010 – Present)

ISC Faculty Committee. (1998 - Present)

ITE Faculty Committee. (1998 - Present)

2019 Faculty Excellence Awards Committee. (2019)

Coastal Venture Challenge Judge. (2019)

Reviewer for Grant Submissions, Research and Scholarly Development Grant (2019)

Faculty Advising Committee. (1998 - 2019)

Reviewer, Ad Hoc Reviewer, University of South Alabama Research and Scholarly Development Grant Program, Mobile, Alabama. (2018)

Development of Retention Videos. (2017 - 2018).

Judge for Competition, Coastal Venture Competition. (2017)

Chair - Development of Retention Videos. (2017 - 2018).
Committee Member, South Alabama Conference on Teaching and Learning, Mobile,
    Alabama. (2009-2016)
Reviewer, Ad Hoc Reviewer, Women in Cybersecurity Conference, Nashville, TN.
    (2015)


## Grants

Project Jaguar – Department of Defense
(2018-2020.  PI:  Dr. Todd Andel

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


## 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


## Conferences Attended

Grace Hopper Celebration of Women in Computing – 2015
WiCYS (Women in CyberSecurity) – 2014, 2015, 2016
Colloquium for Information System Security Education - 2013
South Alabama Conference on Teaching and Learning – 2010, 2011, 2012, 2013, 2014,
2015, 2016, 2017, 2018
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

## Honors and Awards

The Sally Steadman Azalea Chapter of the Mortar Board Senior Honor Society Top Prof Award Winner, Mortar Board Senior Honor Society. (November 27, 2018).

Beth and Don Davis National Alumni Association Excellence in Advising Award, USA National Alumni Association. (August 2018).

School of Computing Advisor of the Year, School of Computing. (April 2018).

Alpha Iota Mu – Information Sciences Honor Society

2012 Outstanding Instructional Technology and Design Ph.D. Student

## Organizational Memberships

ACM US Technology Policy Committee

International Association for Computer Information Systems

Association of Information Technology Professionals

Instructional Technology Student Association