

Julia A. Hartman

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EDUCATION

- Ph.D.** The University of Alabama, Tuscaloosa, AL, 2001, Instructional Leadership with emphasis in Instructional Technology (minors in Educational Research and Educational Computer Technology). Dissertation: *ATFY-R: Psychometric properties and predictive value for academic performance in online learning*
- M.A.** University of South Florida, Tampa, FL, 1979, Anthropology (concentration in Medical Anthropology). Thesis: *Anthropological considerations of mental health problems and substance abuse among women in the Hillsborough County, Florida, stockade*
- B.A.** Emory University, Atlanta, GA, 1973, Sociology

ADMINISTRATIVE, RESEARCH, AND TEACHING EXPERIENCE

- 2002–present **Manager, Research and Policy and Manager, Alabama Online High School** (AOHS), Program for Rural Services and Research (PRSR), The University of Alabama (UA), Tuscaloosa, AL.
- Manage daily operations of AOHS, including supervision of interactions involving AOHS staff, e-teachers, and staff in participating schools
 - Designed and implemented AOHS self-study and school improvement plan leading to accreditation by the Southern Association of Schools and Colleges (SACS) and the Commission on International and Trans-Regional Accreditation (CITA)
 - Participate in financial decisions, including developing budgets, purchasing, staffing, and contracting with outside agencies for services
 - Develop policies to guide PRSR in its mission to serve Alabama's small rural schools and their communities
 - Meet with state officials, school system administrators, and others to discuss issues related to PRSR
 - Design and implement research and evaluation studies related to PRSR projects and activities
 - Disseminate results of research and descriptions of PRSR programs in professional publications and conferences using print and electronic media
 - Collaborate with faculty from UA and other universities on grant proposals, research, and service projects related to instructional technology, with particular emphasis on online learning and rural schools
 - Monitor all outside research related to PRSR
- 2002–present **Assistant Professor (Adjunct)**
School of Nursing, Troy State University, Troy, AL
Data Analysis Techniques in Research (NSG 6692, graduate level course)
This interactive online course examines basic statistical methods for analyzing, interpreting, and evaluating data. Students develop knowledge necessary to critically evaluate research reports and learn to compute basic statistics and interpret results.

ADMINISTRATIVE, RESEARCH, AND TEACHING EXPERIENCE (continued)

2002–present **Assistant Professor (Adjunct)**

College of Education, The University of Alabama (UA), Tuscaloosa, AL
Computer Education Applications (CAT 200, undergraduate level course)
Using online, project-based modules, students learn computer skills needed to integrate technology into education and study related legal and ethical issues, such as copyright and acceptable use. Applications include Microsoft PowerPoint®, Microsoft Publisher®, Inspiration®, and web page design and development.

2001–2002

Assistant Director for Research, UA Institute for Rural Health Research

1984–2001

Research Associate, Health Research Consulting Service
Department of Community and Rural Medicine, College of Community Health Sciences (CCHS), UA.

- Collaborated with faculty, staff, and outside agencies in the development of grant proposals and the design, implementation, and evaluation of research and service projects related to rural health and medical education
- Developed budgets for proposed research projects
- Managed research and evaluation projects and programs, including supervising staff and overseeing budget
- Interacted with other organizations, networks, and state and federal agencies regarding management of information related to research and service projects
- Developed online resources for collecting and managing data from research, evaluation, and outreach activities
- Managed CCHS website
- Analyzed research data using SPSS® and interpreted results
- Created and presented oral and written reports describing research and evaluation results
- Coordinated the planning of the annual Rural Health Conference
- Collaborated with faculty and staff on professional publications and presentations related to research on rural health and medical education
- Designed and managed databases, developed forms for collecting and summarizing data, designed programs for data entry and analysis
- Developed research protocols for submission to UA Institutional Review Board for the Protection of Human Subjects
- Guided and supported medical students, family practice residents, and graduate and undergraduate students in research projects
- Provided instruction and support in various software applications to faculty and staff
- Coordinated videoconferencing activities for college

1992–2002

Instructor (part-time)

Shelton State Community College, Tuscaloosa, AL

Microcomputer Applications (CIS 146, undergraduate level course)

This course is an introduction to computer use and common software applications, including word processing, spreadsheets, and databases.

ADMINISTRATIVE, RESEARCH, AND TEACHING EXPERIENCE (continued)

- 1994–2001 **Rural Health Inventory Workshop Leader**
Program for Rural Services and Research, UA
High school students and teachers who participated in these workshops learned the basics of survey development and statistical data analysis and reporting.
- 1998 **Microsoft Windows® Instructor**
College of Community Health Sciences, UA
This workshop provided basic hands-on instruction in Microsoft Windows® to staff and faculty members from the College of Community Health Sciences.
- 1994 **WordPerfect® Instructor**
School of Social Work, UA
This workshop provided basic and intermediate hands-on training in WordPerfect® 5.1 to staff members from the School of Social Work.

FACULTY APPOINTMENTS

- Adjunct Assistant Professor**, School of Nursing, Troy State University, Troy, AL, 2001–present
Adjunct Assistant Professor, College of Education, The University of Alabama, Tuscaloosa, AL, 2002–present
Temporary Faculty Appointment, Graduate School, The University of Alabama, Tuscaloosa, AL, 2000–present
Adjunct Assistant Professor, Department of Community and Rural Medicine, College of Community Health Sciences, The University of Alabama, Tuscaloosa, AL, 2001–2003
Instructor (Part-time), Department of Computer Science, Shelton State Community College, Tuscaloosa, AL, 1992–2002

DOCTORAL DISSERTATION COMMITTEES (MEMBER)

- Beedle, Jon, Ph.D. Candidate, *What educators can learn from multiplayer computer gaming: A study of who is playing and their perceptions of learning*
- Hocutt, Martha, Ph.D. (2003), *Comparing three methodologies used to teach middle school science*
- Patterson, Susan, Ph.D. (2002), *A study of electronic copyright issues in Alabama public school systems*
- Swindell, Marian, Ph.D. (2001), *Individual differences in cognitive stress associated with self-disclosure*
- Varner, Shurrun, Ph.D. (2003), *Attitudes and perceptions of secondary language arts teachers towards computer technology and its use in curriculum and instruction*
- Wilson, Michael, Ph.D. (2002), *The digital divide: A study of teacher awareness and efforts to address the issue*

CONSULTING AND SUPPLEMENTAL PROFESSIONAL ACTIVITIES

- 1996–present **Project Director**, Computer-Based Honors Program (CBHP), UA
- Plan and supervise projects requiring the use of advanced computer skills for CBHP student participants.
 - Teach CBHP students research skills

CONSULTING AND SUPPLEMENTAL PROFESSIONAL ACTIVITIES (continued)

- 2001–present **Consultant**, DECADE Consulting
- Co-developer of READI (Readiness for Education At a Distance Indicator), a web-based, interactive tool for assessing likelihood for success in online learning (<http://www.readi.info>)
 - Collaborated in evaluation of the use of *iRespond*, a handheld feedback device for use in classrooms
- 2001–present **Website Manager (Volunteer)**, University of Alabama Arboretum
- Maintain website (<http://bama.ua.edu/~arbor>)
 - Created online reference of plants and flowers offered in *Plant Sale Catalog*
- 2001–present **Database Manager (Volunteer)**, Greater Birmingham Returned Peace Corps Volunteers
- Created and maintain database of members and other interested parties
- 2001 **Online Course Developer**, School of Nursing, Troy State University
- Developed online version of *Data Analysis Techniques in Research* (Nursing 6692)
- 1999–2001 **Interactive Tutorial Developer**
- Developed interactive tutorials for SPSS for Windows® using Microsoft PowerPoint®
- 1994–2001 **Statistical Consultant**, PRSR, UA`
- Directed the development and implementation of the *Rural Health Inventory*; supervised data analysis and presentation of results
 - Consulted in the development of an instrument to survey after-school programs in Alabama, analyzed results of the survey, and prepared summary of results for publication

PROFESSIONAL CERTIFICATION

- 2003 Faculty Instructor training, Intel®Teach to the Future
- 2003 Instructor training, MarcoPolo Internet Content for the Classroom
- 2001 Certified Grants Specialist, Research Associates
- 2000 Protection of Human Research Subjects training, Office of Human Subjects Research, National Institutes of Health

OTHER PROFESSIONAL EXPERIENCE

- 1992–93 Research Associate, Department of Psychiatry, CCHS, UA
- 1992 Research Associate, Health Sciences Library, CCHS, UA
- 1982–91 Assistant Director for Research, BioPrep Program for Rural High School Students, CCHS, UA
- 1990–91 Course Manager, Center for Communication and Educational Technology, UA
- 1981–82 Research Assistant, Department of Community Medicine, CCHS, UA
- 1981–82 Research Assistant, Easter Seal Research Foundation Evaluation Project, West Alabama Rehabilitation Center, Tuscaloosa, AL

OTHER PROFESSIONAL EXPERIENCE (continued)

- 1980–81 Transportation Planner, Georgia Department of Transportation, Atlanta, GA
1979–80 Program Coordinator, Fulton County CETA, Atlanta, GA
1978–79 Counselor/Research Assistant, Women's Resource Center, Tampa, FL
1976–77 Office Manager, Art, Incorporated, Atlanta, GA
1975–76 Instructor, Colegio Colombo Britanico, Cali, Colombia
1973–75 Peace Corps Volunteer, Youth Development Program, Colombia
1972 Research Assistant, Yerkes Primate Research Center Field Station, Emory University, Atlanta, GA
1971 Playground Supervisor, Atlanta Department of Parks and Recreation, Atlanta, GA

RESEARCH INTERESTS

Effectiveness of online teaching and learning, characteristics of online learners, technology use in education, rural schools, small schools, rural health

SKILLS

Computer

- Applications: SPSS, Microsoft Office Professional (Word, Excel, Access, PowerPoint, Outlook), dBase, Inspiration, Perseus SuveySolutions
- Development Tools: HTML, Macromedia Dreamweaver, Netscape Composer, Adobe Photoshop, HyperStudio
- Online course platforms: Blackboard, WebCT
- Operating Systems: Microsoft Windows, DOS, Unix
- Videoconferencing: VCON Desktop Videoconferencing and Multicasting

Other

- Experienced in questionnaire development
- Experienced interviewer
- Proficient in Spanish

PUBLICATIONS

Refereed Journals

- Wheat JR, **Hartman JA**, Palmer TM, McKnight JT & Leeper JD. (2002) Strategy to increase agricultural medicine practice: An exploratory study to predict interest among generalists. *Journal of Rural Health*, 18: 18–24. (Abstract available at <http://www.nrharural.org/search/abs/209.html>.)
- Cook MC, **Hartman JA**, & Russell LR. (1998) Integrating personal computers into family practice: A comparison of practicing physicians and residents. *Bulletin of the Medical Library Association*, 86(3): 316–325. (Abstract available at <http://www.allenpress.com/mla/issues/vol86/number3/86-3-316.html>.)
- Rubin NJ, Philp EB, & **Hartman JA** (1996). Effects of standardized patient experience on perceptions of health care. *Medical Encounter*, 12: 4–8.
- Badger LW, deGruy FV, **Hartman JA** et al (1995). Stability of performance of standardized patients in a year-long study of clinical decision-making. *Family Medicine*, 27: 128–133.

Refereed Journals (continued)

- Badger LW, deGruy FV, **Hartman JA** et al (1994). Psychosocial interest, medical interviews, and the recognition of depression. *Archives of Family Medicine*, 3: 899–907. (Abstract available at <http://archfami.ama-assn.org/cgi/content/abstract/3/10/899>.)
- Badger LW, deGruy FV, **Hartman JA** et al (1994). Patient presentation, interview content, and the detection of depression by primary care physicians. *Psychosomatic Medicine*, 56: 128–135. (Abstract available at <http://www.psychosomaticmedicine.org/cgi/content/abstract/56/2/128>.)
- Badger LW, Chesebro MJ, & **Hartman JA** (1987). First year residency stress: Sources and mediators. *Family Practice Research Journal*, 7: 104–113.
- Knopke HJ, Northrup RS, & **Hartman JA** (1986). BioPrep: A premedical program for rural high school students. *Journal of the American Medical Association*, 256: 2548–2551.

Other Journals

- Hartman J** & Patterson S (2003). Alabama Online High School: Addressing inequity by bridging the barriers of time and distance. *Computers in the Social Studies*, 11(2).
- Buhrmaster D, **Hartman JA**, Menefee P, Shores EM, & Rogers RW (1982). Clients' reasons for dropping out of rehabilitation centers. *Psychological Reports*, 51: 1307–1316.

Electronic Media

- Hartman JA** (1999). Guest editor. *Internet In-Sites* (Vol. 3, No. 1, January, 1999).
- Hartman J**, Ray B, Thigpen M, & Thrasher W (1999). Guest editors. *ISS: Internet Source for Schools* (Vol. 2, No. 2, Winter 1999). (Available at <http://www.emtech.net/source>.)

Books

- Badger LW, Greene NA, Jones LR, & **Hartman JA**. (1988). *Child abuse in the Deep South: Geographical modifiers of abuse characteristics*. (Institute for Social Science Research Monograph Series, No. 2). Tuscaloosa: The University of Alabama Press.

Book Chapters

- Philp EB, Norton P & **Hartman J** (1998). The effect of patient gender and race on counseling received during an OSCE. In DE Melnick (Ed.) *Evolving Assessment: Protecting the Human Dimension in Medical Education* (Vol. 2: 788–792).
- Rubin NJ, Philp EB, & **Hartman JA** (1997). Health care perceptions: Do they change for the standardized patient? In AJJA Scherpbier, CPM van der Vleuten, JJ Rethans, AFW van der Steeg (Eds.) *Advances in Medical Education* (Vol. 1997, 711–713). Dordrecht, The Netherlands: Kluwer Academic Publishers.

Abstracts

- Badger LW, ..., **Hartman JA** et al (1995). Patient presentation, interview content, and the detection of depression by primary care physicians. Published in *Yearbook of Psychiatry and Applied Mental Health*.
- Badger LW, ..., **Hartman JA** et al (1993). Psychosocial interest, the structure and content of the medical interview, and the recognition of depression. Published by NIMH in *Seventh Annual NIMH Research Conference Proceedings*.

Abstracts

Badger LW, . . . , **Hartman JA** et al (1992). Predictors of psychiatric underdiagnosis in primary care. Published by NIMH in *Sixth Annual NIMH Research Conference Proceedings*.

PRESENTATIONS

Hartman J (2003). Psychometric properties and predictive value of an instrument commonly used for assessing distance learning suitability. Paper presented at the 2003 Mid-South Educational Research Association, Biloxi, MS.

Patterson S & **Hartman J** (2003). The Online High School: Is it right for your students? Web poster presented at NECC (National Educational Computing Conference) 2003, Seattle, WA.

Hartman J & Patterson S (2003). A virtual trading post in the techno-jungle: Alabama Online High School delivers equity in education. Paper presented at the 2003 Alabama Educational Technology Conference, Birmingham, AL.

Hartman J & Patterson S (2003). Alabama Online High School: Addressing inequity by bridging the barriers of time and distance. Poster presented at the 14th International Society for Information Technology & Teacher Education (SITE) Conference, Albuquerque, NM.

Hartman JA & Youngblood RL (2002). Alabama Online High School: Working to serve all Alabama students. Paper presented at the 16th Annual *High Schools That Work* Staff Development Conference, Louisville, KY.

Hartman J & Wright V (2002). iRespond: How a revolutionary rapid scoring and feedback system affects classroom performance and instructional time. Paper presented at the 2002 Alabama Educational Technology Conference, Birmingham, AL.

Hartman J & Youngblood R (2002). Preparing your school for online courses. Paper presented at the 2002 Alabama Educational Technology Conference, Birmingham, AL.

Adkins M & **Hartman J** (2002). Assessing the readiness of distance learning students. Paper presented at the 2002 Alabama Educational Technology Conference, Birmingham, AL.

Patterson S & **Hartman J** (2002). Web-based professional development for online teaching. Paper presented at the 2002 Alabama Educational Technology Conference, Birmingham, AL.

Youngblood R & **Hartman J** (2002). Participating in the Alabama Online High School network. Professional Development Session presented at the 2002 CLAS (Council for Leaders in Alabama Schools) Summer Convention, Birmingham AL.

Pieroni RE, Higginbotham JC & **Hartman J** (2001). Decreased knowledge of aging and negative biases towards the aged in diverse populations using Palmore's "Facts on Aging" Quiz. Poster presented at the 22nd Annual Meeting of the Southern Gerontological Society, Lexington, KY.

Philp E & **Hartman J** (1998). Is there a correlation between standard examinations and the objective structured clinical examinations? Poster presented at the 1998 Research in Medical Education Conference of the Association of American Medical Colleges (AAMC), New Orleans, LA.

Philp E, Bonner J, Norton P, Yancey L, Lorish C, & **Hartman J** (1998). Use of the objective structured clinical examination to assess changes in clinical competence. Poster presented at the 1998 Research in Medical Education Conference of the AAMC, New Orleans, LA.

PRESENTATIONS (continued)

- Philp EB, Norton P, & **Hartman JA** (1998). The effect of patient gender and race on counseling received during the OSCE. Paper presented at the 8th International Ottawa Conference on Medical Education and Assessment, Philadelphia, PA.
- Taylor MA & **Hartman JA** (1997). Sexual abuse of children in Western Alabama. Paper presented at the 13th Invitational Scientific Symposium of the Medical Association of Alabama, Birmingham, AL.
- Cook MC, Russell LR, & **Hartman JA** (1996). Computer use in family practice: A comparison of residents and family physicians. Paper presented at the Annual Meeting of the Southern Chapter of the Medical Library Association, Memphis, TN.
- Rubin NJ, Philp EB, & **Hartman JA** (1996). Health care perceptions: Do they change for the standardized patient? Poster presented at the 7th Ottawa International Conference on Medical Education and Assessment, Maastricht, The Netherlands.
- Tillotson M, Russell LR, Anderson RL, & **Hartman JA** (1995). Computer use in family practice: A study of computer experience, access and attitudes. Paper presented at the Annual Meeting of the Southern Chapter of the Medical Library Association, San Juan, PR.
- Rubin NJ, Philp EB, & **Hartman JA** (1995). Health care perceptions: Do they change for the standardized patient? Poster presented at the 34th Annual Research in Medical Education Conference of the AAMC, Washington, DC.
- Tillotson M, Russell LR, Anderson RL, & **Hartman JA** (1995). Computer use in family practice: A study of computer experience, access, and attitudes. Paper presented at the Annual Meeting of the Medical Library Association, Washington, DC.
- Rubin NJ, Philp EB, & **Hartman JA** (1994). The effect of being a standardized patient on one's own health care. Poster presented at the 33rd Annual Research in Medical Education Conference of the AAMC, Boston, MA.
- Badger LW, ..., **Hartman JA** et al (1993). Psychosocial interest, the structure and content of the medical interview, and the recognition of depression. Paper presented at the 7th Annual NIMH Primary Care Meeting, Washington, DC.
- Badger LW, ..., **Hartman JA** et al (1992). Predictors of psychiatric underdiagnosis: the relationship between the content of the medical interview, the accuracy of diagnosis and the severity of depression. Paper presented at the 6th Annual NIMH International Research Conference, Washington, DC.
- Badger LW, ..., **Hartman JA** et al (1992). Predictors of psychiatric underdiagnosis in primary Care: Implications for behavioral science research and teaching. Paper presented at the annual meeting of the Association for the Behavioral Sciences and Medical Education, Smugglers' Notch, VT.
- Badger LW & **Hartman JA** (1989). Child abuse: Alabama's picture. Paper presented at the Governor's 4th Annual Conference on Child Abuse and Neglect Prevention, Birmingham, AL.
- Hartman JA** (1986). Exploring changes in performance and attitudes among rural high school students. Paper presented at the 5th Annual Conference on Rural Education, Las Cruces, NM.
- Knopke HJ & **Hartman JA** (1986). Student outcomes in a premedical program in rural high schools. Paper presented at the 5th Annual Conference on Rural Education, Las Cruces, NM.
- Gilliland MJ, **Hartman JA**, & Jessee PO (1985). Teaching social science: An applied approach using community resources. Paper presented at the meeting of the Southeast Regional Association of the American Educational Research Association, Tallahassee, FL.

HONORS AND ORGANIZATIONS

Academic Honor Societies

Alpha Epsilon Lambda

Kappa Delta Pi

Phi Kappa Phi

Professional Organizations

Alabama Educational Technology Association (2002–present)

Association for the Advancement of Computers in Education (2002–present)

Capstone Women's Network (1988–present; Steering Committee, 1992–95, Chair, 1994–95)

International Society for Technology in Education (2002–present)

Mid-South Educational Research Association (2003–present)

Professional Service

UA Committee on University Committees (1998–2001)

UA Computer-Based Honors Program Advisory Board (2001–present)

UA Professional Advisory Committee (1992–1995)

UA Staff Mediation and Grievance Council (1994–1997; Chair, 1995–97)

UA Women's Center Advisory Board (1998)

CCHS Medical Informatics Committee (1998–2002)

Other Service

Alabama Environmental Council (member 1989–present)

Friends of the University of Alabama Arboretum (member 1993–present; Board of Directors, 1995–present; President, 1998–2001; Web Manager, 2001–present)

Greater Birmingham Returned Peace Corps Volunteers (member 1997–present; Database Manager, 2001–present)

National Arbor Day Society (member 1990–present)

National Audubon Society (member 1992–present)

National Peace Corps Association (member 1997–present)

The Nature Conservancy (member 1982–present)

Tuscaloosa Community-Supported Agriculture (member 1991–present)

University Presbyterian Church (member 2002–present; elder 2004–2007)