College of Health Sciences and Professions

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and Communication Sciences
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Annual Report:
Faculty Research & Scholarship
(January 1, 2011—December 31, 2011)
Dean’s Message

The College of Health Sciences and Professions Annual Report is a summary of the wide range of scholarship accomplished by the College during calendar year 2011. Our faculty and our students are addressing many critically important issues in their disciplines. The work described here includes bench science that helps us to better understand the nature of disease and disabling conditions, explorations of health outcomes and factors that contribute to them, and community-engaged research that contributes to better lives for various populations. I invite you to read through the following pages. You will be impressed by the volume, scope, and quality of the research my colleagues in the College have undertaken.

Randy Leite, PhD
Dean
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Schools and Departments

Department of Social and Public Health

This department is distinguished by its breadth of programs addressing community health, environmental and population-level diseases, and health administration. During calendar year 2011, this Department had 19 Group I faculty; 7.6 Group II-IV, and 2 classified staff member. Social work programs officially relocated to the College July 1, 2011.

Undergraduate programs

Bachelor of Science in Health (BS-H)—Community Health; Long-Term Health Care Administration; Health Services Administration
Bachelor of Science in Environmental Health (BS-EH)
Bachelor of Science in Industrial Hygiene (BS-IH)
Bachelor of Science in Child and Family Studies (BS-CFS) [phasing out Human and Consumer Sciences (BS-HCS)—Family Studies]
Bachelor of Arts in Social Work (BA-SW)  
Interdisciplinary Certificate in Gerontology

Graduate programs

Master of Health Administration—Online (MHA)
Master of Public Health (MPH)
Master of Science in Child and Family Studies (MS-CFS) [phasing out Human and Consumer Sciences (MS-HCS)—Family Studies]
Master of Arts in Social Work (MA-SW)  
Certificate in African Community Health Services
Certificate in Health Care Services Administration
Certificate in Health Policy
Interdisciplinary Certificate in Gerontology

Fall term student major FTE (Fall, 2011): Undergraduate (UG) and Graduate (GR)

<table>
<thead>
<tr>
<th>Program Name</th>
<th>UG</th>
<th>GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child &amp; Family Studies</td>
<td>116</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Health &amp; Industrial Hygiene</td>
<td>49</td>
<td>0</td>
</tr>
<tr>
<td>Health Services Administration &amp; Long Term Health Care Administration</td>
<td>321</td>
<td>366</td>
</tr>
<tr>
<td>Public Health</td>
<td>38</td>
<td>27</td>
</tr>
<tr>
<td>Social Work</td>
<td>93</td>
<td>24</td>
</tr>
</tbody>
</table>

Accreditation

Environmental Health (BS): National Environmental Health Science and Protection Accreditation Council (NEHSPAC), 2010-2016
Long Term Health Care Administration (BS): National Association of Boards of Examiners for Long Term Care Administrators (NAB), 2010-2015
School of Applied Health Sciences and Wellness

This school includes a set of inter-related academic degrees in exercise physiology, nutrition, and athletic training supported by two ancillary units in the college: The Atrium Café, and WellWorks. During calendar year 2011, this School had 12 Group I faculty, 5.4 Group II-IV faculty (including WellWorks and the Atrium Café), and 1 classified staff member.

Undergraduate programs
- Bachelor of Science in Athletic Training (BS-AT)
- Bachelor of Science in Exercise Physiology (BS-EP)
- Bachelor of Science in Food and Nutrition Sciences (BS-FNS) [phasing out Human and Consumer Sciences (BS-HCS)—Nutrition]:
  - Nutrition
  - Applied Nutrition

Graduate programs
- Master of Science in Athletic Training (MS-AT)
- Master of Science in Physiology of Exercise
- Master of Science in Food and Nutrition Sciences (MS-FNS) [phasing out Human and Consumer Sciences (MS-HCS)—Food and Nutrition]

Fall term student major FTE (Fall, 2011): Undergraduate (UG) and Graduate (GR)

<table>
<thead>
<tr>
<th>Program Name</th>
<th>UG</th>
<th>GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>121</td>
<td>33</td>
</tr>
<tr>
<td>Exercise Physiology</td>
<td>417</td>
<td>15</td>
</tr>
<tr>
<td>Food and Nutrition Sciences</td>
<td>151</td>
<td>16</td>
</tr>
</tbody>
</table>

Accreditation

- Athletic Training (BS; professional accreditation): Commission on Accreditation of Athletic Training Education (CAATE), 2007-2013 [continuing accreditation in process]
- Athletic Training (MS; post-professional accreditation): National Athletic Trainers’ Association (NATA), 2008-2012; Commission on Accreditation of Athletic Training Education (CAATE), 2012-2013 (onsite visitation to occur in 2013-14)
School of Nursing

The school is comprised of a comprehensive ladder of nursing programs, from associate degree to Master of Science in Nursing. The RN-to-BSN is an online program with national distribution. During calendar year 2011, on the Athens campus, this School had 6 Group I faculty, 7.965 Group II-IV faculty (including one simulation lab coordinator), and 5 classified staff members. Additional faculty, academic advisors, and classified staff members serve the online and regional campus nursing programs.

Undergraduate programs

- Associate Degree in Nursing (ADN) (regional campus program)
- Bachelor of Science in Nursing (BSN)
- Registered Nurse-to-Bachelor of Science in Nursing (RN-to-BSN)
- School Nurse License

Graduate programs

- Master of Nursing (MSN) with three major areas of concentration:
  - Education,
  - Administration, and
  - Family Nurse Practitioner

Fall term student major FTE (Fall, 2011): Undergraduate (UG) and Graduate (GR)

<table>
<thead>
<tr>
<th>Program Name</th>
<th>UG</th>
<th>GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>RN-to-BSN Nursing (eLearning)</td>
<td>3,995</td>
<td>0</td>
</tr>
<tr>
<td>BSN (Athens)</td>
<td>428</td>
<td></td>
</tr>
<tr>
<td>Nursing (Graduate Outreach)</td>
<td></td>
<td>124</td>
</tr>
</tbody>
</table>

Accreditation

- Nursing (AD): National League for Nursing Accrediting Commission (NLNAC), 2007-2015; and Ohio Board of Nursing (OBN), 2005-2010
- Nursing (RN-to-BSN): Commission for Collegiate Nursing Education (CCNE), 2011-2021
- Nursing (BSN): Commission for Collegiate Nursing Education (CCNE), 2011-2021
- Nursing (MSN): Commission for Collegiate Nursing Education (CCNE), 2007-2012
School of Rehabilitation and Communication Sciences

The School is comprised of the programs of Physical Therapy and Communication Sciences and Disorders. Physical Therapy offers a doctorate, and the Communication Sciences and Disorders program offers bachelor’s and master’s preparation, as well as both an Audiology Doctorate and Doctor of Philosophy degrees. During calendar year 2011, this School had 18 Group I faculty members, 3.793 Group II-IV faculty members, and 4.5 classified staff members, some of whom staff OU Therapy Associates (offering physical therapy, and speech, language and hearing services).

Undergraduate Programs

Bachelor of Science in Communication Sciences and Disorders (BS-CSD) [formerly Hearing, Speech and Language Sciences, BS-HSLS]
Hearing, Speech and Language Sciences (Minor)
Honors Tutorial Program, Hearing Speech and Language Sciences

Graduate programs

Doctor of Physical Therapy (DPT)
Master of Arts in Communication Sciences and Disorders (MA-CSD) [ formerly Speech-Language Pathology, MA-SLP]
Doctor of Clinical Audiology (AuD)
Doctor of Philosophy in Hearing Science (PhD-HS)
Doctor of Philosophy in Speech-Language Science (PhD-SLS)
Teacher Certification for Speech-Language Pathology

Fall term¹ student major FTE (Fall, 2011): Undergraduate (UG) and Graduate (GR)

<table>
<thead>
<tr>
<th>Program Name</th>
<th>UG</th>
<th>GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Sciences and Disorders</td>
<td>347</td>
<td>96</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>0</td>
<td>121</td>
</tr>
</tbody>
</table>

Accreditation

Physical Therapy (DPT): Commission on Accreditation in Physical Therapy Education (CAPTE), 2009-2019

¹ In addition to student enrollment numbers reported within each school/department, there were an additional 125 “undecided” undergraduate students in fall, 2011.
Faculty\textsuperscript{2,3}

(Listed alphabetically)

Emeriti

- Leona Cibrowski, PhD, Associate Dean Emerita
- Sharon Denham, DSN, RN, Professor Emerita of Nursing
- Norman Garber, PhD, Professor Emeritus of Hearing, Speech and Language Sciences
- Margorie Hagerman, MS, Assistant Professor Emerita of Applied Health Sciences and Wellness
- Emily Harman, RN, MSN, Assistant Professor Emerita of Nursing
- Gary S. Neiman, PhD, Dean Emeritus
- Kathleen Fox Tennant, PhD, APRN, Assistant Professor Emerita of Nursing

Group I

- Matthew O. Adeyanju, PhD, MPH, CHES, FASHA, Professor (DSPH)
- Cathy Baker, PhD, RN, Assistant Professor (SON)
- Tania Basta, PhD, MPH, CHES, Associate Professor (DSPH)\textsuperscript{P & T}
- Joann Benigno, PhD, Assistant Professor (SRCS)
- Darlene Berryman, PhD, RD, LD Associate Professor (SAHSW)
- Doug Bolon, PhD, Associate Professor (DSPH)
- Robert G. Brannan, PhD, Associate Professor (SAHSW)\textsuperscript{P & T}
- Mary E. Bowen, RN, DNS, JD, NEA, Professor (SON)
- Susan Bullard, PhD, Assistant Professor (SAHSW)\textsuperscript{RES-RET}
- Jenny Chabot, PhD, CCLS, Associate Professor (DSPH)
- Gary S. Chleboun, PhD, PT, Professor (SRCS)
- Jeffrey J. DiGiovanni, PhD, Associate Professor (SRCS)
- Warren Galbreath, PhD, SW, Associate Professor (DSPH)
- Roger Gilders, PhD, CSCS, Professor & School Director (SAHSW)
- Brooke Hallowell, PhD, Professor (SRCS)
- Deborah E. Henderson, PhD, RN, Professor (SON)
- David H. Holben, PhD, RD, LD, Professor (SAHSW)
- Cheryl Howe, PhD, CES, CSCS, CEP, Assistant Professor (SAHSW)
- Gregory Janson, PhD, Associate Professor (DSPH)
- Fuh-Cherng Jeng, MD, PhD, Assistant Professor (SRCS)
- Teresa Julian, PhD, CNP, Associate Professor (SON)
- Joan Jurich, PhD, Associate Professor (DSPH)

\textsuperscript{2}This list includes faculty members who held appointments during calendar year 2011 within those schools that remained in the new College of Health Sciences and Professions July 1, 2010 forward, as well as faculty members from the Department of Social Work who joined the college in July 1, 2011.

\textsuperscript{3}The acronym (in parentheses) after each name indicates the current department or school affiliation: Department of Social and Public Health (DSPH); School of Applied Health Sciences and Wellness (SAHSW); School of Nursing (SON); School of Rehabilitation and Communication Sciences (SRCS).
• Youngsun Kim, PhD, Associate Professor (SRCS)
• B. Andrew Krause, PhD, AT, Assistant Professor (SAHSW)
• Michael Kushnick, PhD, HFS, Associate Professor (SAHSW)
• Chao-Yang Lee, PhD, Associate Professor (SRCS)
• Mingun Lee, PhD, SW, Assistant Professor (DSPH)
• Gari Lesnoff-Caravaglia, PhD, Professor (DSPH) RES-RET
• Margaret Manoogian, PhD, Associate Professor (DSPH) RES-RET
• Sally A. Marinellie, PhD, Associate Professor (SRCS)
• John McCarthy, PhD, Associate Professor (SRCS)
• Kristen Metzler-Wilson, PhD, PT, Assistant Professor (SRCS) RES
• James W. Montgomery, PhD, Professor (SRCS)
• Michele Morrone, PhD, RS, Associate Professor (DSPH)
• Sharon Mullen, RN, PhD, Assistant Professor (SON) ER
• Christina Nyirati, PhD, CNP, Assistant Professor (SON)
• Averell S. Overby, DrPH, PT, Associate Professor & School Director (SRCS)
• Helmut W. Paschold, PhD, CIH, CSP, PE (TX), Assistant Professor (DSPH)
• Carla Phillips, RN, PhD, Assistant Professor (SON) ER
• Natalie Pope, PhD, SW, Assistant Professor (DSPH) RES-RET
• Edward Potkanowicz, PhD, HFS, Assistant Professor (SAHSW) RES-RET
• Brian Ragan, PhD, AT, Assistant Professor (SAHSW)
• Sharon R. Rana, PhD, HFS, CSCS, Associate Professor (SAHSW)
• Dennis T. Ries, PhD, Associate Professor (SRCS)
• Kathleen Rose-Grippa, PhD, RN, Professor (SON)
• David Russ, PhD, PT, Assistant Professor (SRCS)
• Tim Ryan, PhD, RS, CIH, Associate Professor (DSPH)
• Anthony M. Sallar, PhD, MPH, MBA, Assistant Professor (DSPH) RES-RET
• Susan Sarnoff, PhD, SW, Associate Professor (DSPH)
• Alexander V. Sergeev, PhD, MD, MPH, Assistant Professor (DSPH)
• Betty Sindelar, PhD, PT, Associate Professor (SRCS)
• Therese Snively, PhD, Assistant Professor (SON) RES-RET
• Anne Sparks, PhD, SW, Assistant Professor (DSPH)
• Solveig Spjeldnes, PhD, SW, Assistant Professor (DSPH)
• Charles [Chad] Starkey, PhD, AT, FNATA, Professor (SAHSW)
• David V. Stretton, PhD, MBA, CPA, Assistant Professor (DSPH) RES-RET
• James Thomas, PhD, PT, Associate Professor (SRCS)
• Jason White, PhD, Assistant Professor (SAHSW)
• Richard Willy, PT, PhD, Assistant Professor (SRCS)
• Li Xu, MD, PhD, Associate Professor (SRCS)

Group II & IV

• Carole Alder, SW, LISW, Assistant Field Director, Instructor (DSPH)
• RuthAnn Althaus, PhD, MPH, MBA, MSLIS, Professor (DSPH)
• Marcus Barr, MS, Instructor (SAHSW)
• Jeff Bevan, MSN, CNP, Visiting Assistant Professor (SON) RES-RET
• Trina Bookman, MS, CPR/AED/IT, FA/AED/IT, WSI/IT, LG/IT, Instructor (SAHSW)
• Nichole Brandes, AuD, CCC-SLP, Instructor of Audiology (SRCS)
• Sherlena Buchman, MSN, RN, Assistant Professor (SON)
• Michael Clevidence, MS, CSCS, Instructor (SAHSW)
• Michele Courtney, PT, MBA, Instructor (SRCS)
• Susan Erlewine, MSN, RN, Assistant Professor (SON)  
  RES-RET
• Denise Ferrell, MSN, RN, Assistant Professor (SON)  
  RES-RET
• Judi Haberkorn, PhD, SW, Visiting Professor (DSPH)
• Heather Harmon, MPH, Instructor (DSPH)
• Terri Hood-Brown, MSN, RN, Assistant Professor (SON)
• Janice Howman, DPT, MEd, Assistant Professor (SRCS)
• Francis McFadden, MS, Assistant Professor (SAHSW), Manager of the Atrium Café
• Eleanor Miller, PhD, RN, Assistant Professor (SON)
• Juli L. Miller, MSHA, Instructor (DSPH)
• Deborah Murray, MS, RD, LD, Assistant Professor (SAHSW)
• James Odenthal, PT, MBA, Instructor (SRCS)
• Freve Pace, SW, LISW, Field Director, Instructor (DSPH)
• Brian Phillips, Med, MA, Instructor (DSPH)
• Tracy Pritchard, SW, LISW, University Partnership Program Coordinator, Instructor (DSPH)
• Jennifer Saffell, RN, MSN, Assistant Professor (SON)
• Sonya Saffell, RN, MSN, Assistant Professor (SON)  
  RES-RET
• Kayla Shinew, PhD, AT, Instructor (SAHSW)
• Petra Williams, PT, MS, NCS, Assistant Professor (SRCS)
• Selena Yearwood, PhD, CNP, Assistant Professor (SON)  
  RES-RET
• Lisa J. S. Yehl, MSHA, LNHA, Instructor (DSPH)

Administrative Staff / Clinical Instructors

• Larry Hess, AD
• Kristi Kinnard, MA, CCC-SLP
• Marianne Malawista, PhD, CCC-SLP
• Sarah Taylor, MA
• Janice Wright, MA, CCC-SLP

NOTES

CHSP 7/1/11—Social Work academically relocated to the College of Health Sciences and Professions  
  July 1, 2011.
ER—Early retiree status.
P & T—Promotion and tenure effective academic year 2011-2012.
RES-RET—Resignation or retirement effective June 30, 2011 or later.
Research Laboratories

- Auditory Electrophysiology (Fuh-Cherng Jeng, Director) (SRCS)
- Auditory Prosthesis Lab (Li Xu, Director) (SRCS)
- Auditory Psychophysics and Signal Processing Lab (Jeffrey DiGiovanni, Director) (SRCS)
- Augmentative and Alternative Communication Lab (John McCarthy, Director) (SRCS)
- Biomaterials Lab (Betty Sindelar, Director) SRCS)
- Developmental Psycholinguistics Lab (James Montgomery, Director) (SRCS)
- Dysphagia Lab (Youngsun Kim, Director) (SRCS)
- Environmental Health / Industrial Hygiene Lab (Tim Ryan, Director) (DSPH)
- Environmental Research Lab (Tim Ryan, Director) (DSPH)
- Exercise Biochemistry Lab (Michael Kushnick, Director) (SAHSW)
- Exercise Physiology Lab (Sharon Rana and Michael Kushnick, Co-Directors) (SAHSW)
- Exercise Science Lab (Sharon Rana, Director) (SAHSW)
- Food Science Lab (Robert Brannan, Director) (AHSW)
- Motor Control Lab (James Thomas, Director) (SRCS)
- Muscle Physiology Lab (David Russ, Director) (SRCS)
- Neurolinguistics Lab (Brooke Hallowell, Director) (SRCS)
- Postural Control Lab (Averell Overby, Director) (SRCS)
- School-Age Language Lab (Sally Marinellie, Director) (SRCS)
- Sensory Analysis Lab (Robert Brannan, Director) (SAHSW)
- Speech Processing Lab (Chao-Yang Lee, Director) (SRCS)
- T.A.L.K. Lab (Joann Benigno, Director) (SRCS)
- Test Kitchen (Robert Brannan, Director) (SAHSW)
- Ultrasound/Muscle Imaging Lab (Gary Chleboun, Director) (SRCS)
- Vicon Motion Analysis Lab (James Thomas, Director) (SRCS)

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4 Research laboratories listed are the responsibility of faculty in the College of Health Sciences and Professions (effective 7/1/10), and do not include research laboratories that have been relocated to other colleges as part of university restructuring.
Publications

in Calendar Year 2011

(Includes peer-reviewed manuscripts, chapters, full papers in monographs and proceedings, Epub ahead of print, and articles “in press” as of December 31, 2011.)


Presentations in Calendar Year 2011

(Includes platform and poster presentations, published abstracts of platform and poster presentations; workshops; and, as well as invited/keynote speeches at state, regional, national, and international conferences during 2011).


5. Barr M., Clevelence M., Gilders R., Clark B., & Kushnick M. (2011, October). The effects of ischemic pre-conditioning on repeated sprints. Poster session presented at the annual meeting of the Midwest American College of Sports Medicine, Indianapolis, IN.


58. **Montgomery, J.** (2011, July). *Memory mechanisms and language in children with and without SLI.* Symposium organizer and panel discussant at the conference of the International Association for the Study of Child Language (IASCL), Montreal, CAN.


64. **Nyrati, C., Denham, S., Raffle H., & Ware, L.** (2011, March 25). *Where is the family in the family nurse practitioner program?* Poster session presented to the Midwest Nursing Research Society, Columbus, OH.


83. Snook, E. M., Scott, C. B., & Ragan, B. G. (2011, June). How many days does a GPS receiver and accelerometer need to be worn to get a reliable measure? Poster session presented at annual meeting of the Consortium of Multiple Sclerosis Centers, Montreal, CAN.

84. Starkey, C. (2011, February 26). The evidence is against us (unless we use it). Keynote address at the National Athletic Trainers’ Association Educator’s Conference, Washington, DC.


95. Xu, L. (2011, December 21). Speech perception with cochlear implants. Invited presentation to the Department of Otorhinolaryngology, The Second Affiliated Hospital, South Central University Xiangya Medical School, Changsha, China.


Grants and Contracts Awarded

January 1, 2011 – December 31, 2011


20. Jeng, F.-C. (2011). Principal Investigator: Development of Brainstem Responses to Voice Pitch from Birth to 6 Months of Age. College of Health Sciences and Professions, Faculty Summer Research Award, $10,000.


52. Walters, C. (2011). Nursing Summer Scholars Program (NSSP), 1804 Fund, Ohio University, $18,000.


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