2010-2011 Annual Report

(May 1, 2010-April 30, 2011) Ball State University

SCHOOL OF PHYSICAL EDUCATION, SPORT, & EXERCISE SCIENCE

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School of Physical Education, Sport, & Exercise Science

2010-2011 Annual Report (May 1, 2010-April 30, 2011)

REPORT OVERVIEW

Key Strengths:

- Strong academic programs and Teaching Faculty. The School of Physical Education, Sport, & Exercise Science (SPESES) continues to maintain strong academic programs at the undergraduate and graduate levels. Undergraduate enrollments hover around 850 students and graduate enrollments hover around 150 students.
- Athletic Training and Teacher Education continue to maintain accreditation/national recognition with their respective accrediting bodies.
- Strong application of theory in real-world (e.g., practicums, internships, immersive learning, technology).
- Strong scholarship culture and related faculty performance.

Key Weaknesses/Opportunities/Threats:

- On-line course delivery (opportunity).
- Job-placement initiatives (opportunity).
- Declining budget (threat).
- Faculty retention (weakness/threat).
- Job market (weakness).

INNOVATIVE USE OF TECHNOLOGY IN EDUCATIONAL SETTINGS

There are number of activities in SPESES which apply innovative uses of technology. These activities are listed below.

- Kyung Hee (S. Korea) University International Symposium of Sport Science.
 Ky Lecture Series weekly lectures by SPESES faculty in fall, 2010 continues to occur and makes use of the Global Media Network video conference facility in HP 108.
- Physical Education Teacher Education faculty/teacher candidates use heart rate monitors and PDA's in instructional settings to assess fitness, skill, knowledge, and behavior.
- Faculty use Media site to record their lectures and continue to explore innovative uses of educational technology.
- Faculty attendance at OTLA workshops on incorporating technology into the classroom.
- Use of technology to deliver courses via distance education: Coaching graduate program, Athletic Training, and physical fitness and wellness.
- Variety of online courses recently developed (SptAd 190, SptAd 301) or in-progress (e.g., EXSCI 292, AT 370 and 371).
- PETE, Sport Administration, and Athletic Training Programs require students to submit electronic portfolios.
- The Blackboard class management program is used to deliver class content and engage students.
- Sport Administration students use Skype for making sales calls.
- The graduate programs being reported all use Blackboard to various degrees as the LMS for delivering programmatic content. This allows for a "hybrid" approach of both in the classroom and on-line class settings. The Coaching program is entirely on-line by design.
 - o Along with Blackboard, programs use a variety of social media sites such as facebook , google docs and wikis for interaction and recruitment of new students.

MARKET-RESPONSIVE NEW PROGRAMS

Not Applicable.

FACULTY ENGAGEMENT IN PROFESSIONAL ORGANIZATIONS (PRESENTATIONS AND

SERVICE)

• In 2010-2011, School faculty members made 118 presentations at state, regional, national and international conferences; faculty members maintain memberships in 51 organizations and routinely serve their professional organizations and journals in a variety of ways.

ACTIVE AND SUPPORTIVE ADVISORY BOARDS

• Largely inactive. See Initiatives section.

SUCCESSFUL CORPORATE PARTNERSHIPS

 The undergraduate programs have successful partnerships with the Delaware County Head Start Program, Indiana Department of Education, IHSAA, NFHS, Muncie YMCA, Fort Wayne Tin Caps, and the Jimmy Fund.

ACCOMPLISHMENTS REGARDING 2009-2010 KEY INITIATIVES

- New SPESES Chairperson elected for 5-year term.
- Dual-degree in Exercise Science with Kyung Hee University finalized.
- Additional faculty (e.g., IDCR research infrastructure fund, mileage expenses reimbursement for site visits) and program (e.g., use of Foundation accts., SPESES spend-down requests) resources.
- Carried out tenure-track faculty searches in PETE and Sport Administration.
- Developed a plan of action with respect to the feedback provided in the report of the external reviewers.
- Developed new procedures for evaluating faculty for salary increases (e.g., merit self-evaluation rubric, contract faculty salary document).

KEY CHALLENGES FOR THE SCHOOL OF PHYSICAL EDUCATION, SPORT, & EXERCISE SCIENCE – 2011 AND BEYOND

- A key challenge continues to be retaining junior faculty. Two junior faculty members and one contract faculty member resigned to accept tenure-track appointments elsewhere. One senior faculty member also retired this year. Our disproportionately high number of junior faculty coupled with high turnover in recent years creates stability problems with respect to delivering academic programs and serving students effectively.
- Continue to determine the optimal, innovative and efficient use of the new SWRC space to maximize course delivery.
- Continue to develop and implement a plan of action with respect to the feedback provided in the report of the external reviewers (including strategic planning).
- Continue to foster academic and research interdisciplinary relationships in the School.
- Continue to foster and reward experiential/immersive learning experiences.
- Continue to develop and implement operational and instructional cost-reduction efficiencies.
- Continue to assess programs and student learning outcomes (and related artifacts for digital repository) for pending university reaccreditation.

KEY INITIATIVES, 2011-2012

- Continue to develop faculty mentoring program checklist of activities. Implement a research and writing
 assistance program led by a senior faculty member (to include 3.0 hrs. of assigned time in the spring
 semester).
- Continue to attend weekly facility planning meetings with SWRC and Athletics personnel. Meet independently with personnel as needed.
- Complete the implementation of all elements of the SPESES action plan, and engage in broader strategic planning and visioning.
- Continue to co-mingle faculty groups in School (e.g., faculty meeting table assignments, SPESES monthly kudos announcements, thesis/dissertation defense invitations).
- Consider ways to incentivize developing and implementing immersive learning experiences (e.g., merit salary, vehicle travel support, and student work).
- Foster instructional efficiencies by reducing all undergraduate majors to 120 credit-hours and developing online summer curricula. Drop Older Adult minor and Graduate Adapted Physical Education Program.

- Promote culture of assessment in School, particularly among program coordinators, through periodic informational meetings.
- Consider re-establishing advisory boards which have a fund-raising thrust. Meet with Director of Development (University Development) for CAST for the purpose.

STRATEGIC PLAN ACCOMPLISHMENTS

- 1. Attract, enroll, retain, and graduate a more selective and diverse student body (Strategic Plan Goal 1-A)
 - Admission and retention standards already in place in undergraduate programs in Athletic Training,
 Exercise Science, Physical Education Teacher Education, and Sport Administration. These standards will enhance the likelihood of graduating a more selective student body.
 - Foundation accts. to leverage diverse student body will be leveraged whenever feasible.
 - Although not substantive participation, the number of Honors College students over the past three years has held fairly steady.
 - o 2010-11 AUTUMN HONORS COLLEGE: (Autumn enrollment from 06-07 to 10-11 the number of honors college students- 26, 20, 14, 14, 19)
 - o 2010-11 SPRING HONORS COLLEGE: (Spring enrollment from 06-07 to 10-11 the number of honors college students- 21, 20, 12, 20, 20)
 - The number of students completing the Honors College requirements (e.g., honors thesis) is minimal.
 - SPESES HONORS COLLEGE GRADUATES 05-06 TO 09-10 counts (4, 5, 5, 2, 4)
- 2. Immersive Learning Activities (Strategic Plan Goal 1-B)
 - There were five immersive learning initiatives offered by faculty members (all led by UG and G Sport Administration) in the School for the 2010-2011 academic year. One is a continuing project, and another will be repeated next year. One immersive learning grant proposal was not funded.
 - The Sport Administration Program led 5 immersive learning activities, one of which is an ongoing event.
 - o Sport Law Immersive Learning Grant (new).
 - o Sport Communication- Media Guides (ongoing).
 - o Sport Event Management Chase Charlie into Shape (completed Spring 2011), included exercise science program students/faculty member.
 - o Sport Ticketing and Merchandising Fort Wayne Tin Caps Call Center (Spring 2011).
 - o Sport Ticketing and Merchandising Ball State Athletics Call Center (Fall 2010).
- 3. Identify the number of students/faculty engaged in high-quality professional experiential learning, international learning experiences and service learning (Strategic Plan Goal 1-C)
 - A Teacher Education student completed his student teaching in Germany; seven students/faculty in Sport Administration made international presentations.
 - Programs in the following areas have some form of experiential learning built into the academic requirements whether in the form of practicums, internship, and/or student teaching.
 - o Undergraduate programs: Aquatics, Athletic Training, Exercise Science, Physical Education Teacher Education, and Sport Administration.
 - o Undergraduate minor: Adapted Physical Activity.
 - o Graduate programs: Coaching, Teacher Education, Sport Administration, Sport and Exercise Psychology, Sport Performance, Clinical Exercise Physiology.
 - Undergraduate Students engaged in Honors Theses or Formal Research Activities with Faculty.
 - o Nine students in Physical Education Teacher Education and 27 students in Sport Administration are engaged in research activities with faculty.
- 4. Academic Program Accreditations/Recognitions (Strategic Plan Goal 1-D)
 - Undergraduate program in Athletic Training is accredited through 2013/2014 academic year.
 - Undergraduate program in Physical Education Teacher Education is nationally recognized and accredited through 2017/2018 academic year.
 - The undergraduate program in Exercise Science is again "recognized" by the national Strength and Conditioning Association through 2012.
 - The undergraduate Sport Administration program offers a curriculum that is consistent with the standards advocated by the Commission on Sport Management Accreditation.

Descriptive data on student performance on national credentialing/licensing exams and national averages.

- The Physical Education teacher candidates have a 100% passing rate on the PRAXIS II. In each of the six major categories, they consistently exceed both the national and state average percentage correct. And finally, the majority of the PETE candidates fall in the top two quartiles in each of the six categories.
- Aquatics students have passing rates between 90% and 100% on their certification exams (no national benchmark data available).
- O Athletic Training students had a 100% (5/5) passing rate on national Board of Certification exam (national average is 61%).
- O Sport Performance students achieved a 100% (10/10) passing rate on the CSCS exam(national average pass rate is 68% for the Scientific Foundations section and 66% for the Practical Application section).
- 5. Increase Extended Education Opportunities (Strategic Plan Goal 1-E)
 - The MA/MS Coaching program is delivered exclusively on-line.
 - Consideration is being given to making the MA/MS program in Sport Performance available on-line (several courses are currently taught on-line).
 - Several faculty are developing online courses for summer, 2012 (areas include undergraduate Sport Administration, Athletic Training, graduate Sport Psychology, undergraduate Exercise Science).
 - Courses in PFW curriculum are made available to the prison population in the state of Indiana.
- 6. Marketing Communication and Branding strategies (Strategic Plan Goal 1 Supporting Objectives, i)
 - Not applicable.
- 7. Increase number of endowed scholarships (Strategic Plan Goal 1 Supporting Objectives, ii)
 - The School currently offers 10 endowed scholarships (1 new).
- 8. Innovative educational use of technology (Strategic Plan Goal 1 Supporting Objectives, iii)
 - Kyung Hee (S. Korea) University International Symposium of Sport Science.
 Ky Lecture Series weekly lectures by SPESES faculty in fall, 2010 continues to occur and makes use of the Global Media Network video conference facility in HP 108.
 - The graduate program in Coaching is delivered exclusively on-line.
 - Faculty use Media site to record their lectures and continue to explore innovative uses of educational technology.
 - Faculty attend at OTLA workshops on incorporating technology into the classroom.
 - Use technology to deliver courses via distance education: Coaching graduate program, Athletic Training, and physical fitness and wellness.
 - Physical Education-Teacher Education and Athletic Training programs require students to submit electronic portfolios.
 - The Blackboard class management program is used to deliver class content and engage students.
 - Sport Administration students use Skype technology in the area of ticket sales.
- 9. Faculty Development (Strategic Plan Goal 2-A)
 - Not Applicable.
- 10. External Funding FY 2010-2011 (Strategic Plan Goal 2-B)
 - SPESES funded proposals comparison 09/10 to 10/11: Amount funded: decrease of \$777,105 (As of May 2011)
 - Number funded: 16 (decrease of 3)
 - SPESES external submitted proposals comparison 09/10 to 10/11:
 - Status of the 10/11submitted proposals (as of May 2011): 2 not funded, 6 funded and 18 pending. Number Submitted: 26 (increase of 1)
 - Amount Requested: increase of \$2,682,480
 - 18/20 tenure-line faculty actively pursue scholarship through assigned time (both who do not have heavy admin. Loads—SPESES Chairperson, ITAG).
- 11. Scholarly Productivity (Strategic Plan Goal 2-C)

- 16/18 faculty with research assigned time met all of the minimum CAST guidelines.
- There was a total of 145 FTE for the AY, of which 10 FTE came from external grants.
- Scholarly accomplishments include the following:
 - o 89 publications in peer-reviewed journals (increase of 26)
 - o 17 books (3) and chapters (14) (increase of 6)
 - o 117 presentations (increase of 8)
- All students receiving university funding for graduate assistantships must complete a six hour thesis or a three or a six hour research paper. *Furthermore the philosophy of SPESES graduate student funding is that it is to enhance the scholarly activities of the faculty mentor. Specifically for programs being reported, four students were funded through ASPiRE grants, nine students were co-authors on refereed publications, three were involved in faculty grant submissions, and seven made presentations at national conferences (see Appendix E for individual graduate program activities).
- 12. Recognize scholarship of discovery, integration, application, and Teaching with Implementation at the department level (Strategic Plan Goal 2-D)
 - The School's Promotion and Tenure document has been revised to recognize scholarship of discovery, integration, application, and teaching. Certainly, the SPESES culture most values scholarship of discovery.
- 13. Graduate Programs Growth (Strategic Plan Goal 2-E)
 - Graduate Enrollments decreased from 140 in Fall 2009 to 138 in Fall 2010. They rebounded in Spring with an increase from 130 in Spring 2010 to 153 in Spring 2011. The increase in the Spring enrollment appears to have been in the Coaching and Sport Administration programs. See Appendix C for enrollment data.
- 14. Attract & retain highly productive faculty (Strategic Plan Goal 2-F)
 - Assistant Professor Salaries:
 - o N = 11
 - o Average = \$55103
 - Associate Professor Salaries:
 - o N=3
 - o Average = \$58608
 - Professor Salaries:
 - \circ N=5
 - o Average = \$85,360
 - Discussions with departing faculty members strongly indicate personal reasons for resigning rather than financial or professional reasons.
 - Discretionary funds are addressing salaries for full professors.
- 15. Branding Strategies (Strategic Plan Goal 2 Supporting Objectives, i)
 - Not Applicable.
- 16. Increase Financial Resources (Strategic Plan Goal 2 Supporting Objectives, ii)
 - Advisory boards with a fund-raising thrust are being considered.
- 17. Best Practice Use (Strategic Plan Goal 2 Supporting Objectives, iii)
 - Faculty in the School continue to incorporate technology into teaching and research; examples include the
 use of the Global Media Network for real-time video conferencing (still warrants improvement), the use of
 the Blackboard class management systems, heart rate monitors and PDA's and the Sport Administration
 call center.
- 18. Faculty/Student activities potential enterprising ventures (Strategic Plan Goal 3-A)
 - Immersive learning classes in Sport Administration have provided potential enterprising ventures. Sport Administration Club/classes raised more than \$18,800 for cancer research, professional teams, and local agencies through various marketing events.
- 19. Offer market-responsive educational cultural, and economic development programs that meet the needs of external partners (Strategic Plan Goal 3-B)
 - Immersive learning classes in Sport Administration worked cooperatively with several external partners.

- 20. Community Corporate Partners (Strategic Plan Goal 3-C)
 - Partnerships as part of immersive learning classes were established with: Ball State Athletics, Fort Wayne Tin Caps, Muncie Community Schools, and Muncie YMCA.
- 21. Charter Schools (Strategic Plan Goal 3-D)
 - Not Applicable.
- 22. Professional Development (Strategic Plan Goal 3-E)
 - Not Applicable.
- 23. Professional Development (Strategic Plan Goal 3 Supporting Objectives, i)
 - Not Applicable.
- 24. Professional Development (Strategic Plan Goal 3 Supporting Objectives, ii)
 - Not Applicable.
- 25. Professional Development (Strategic Plan Goal 3 Supporting Objectives, iii)
 - Not Applicable.
- 26. Participation in University Wellness Program (Strategic Plan Goal 4-A)
 - Data Not Available.
- 27. Service-oriented Campus (Strategic Plan Goal 4-B)
 - Faculty in attendance at Cardinal Preview Days and Admitted Student Visitation Day.
 - Undergraduate program coordinators routinely meet with prospective students.
 - Faculty in attendance at New Student Orientation Breakfast sessions.
 - "Roll out the Red" training completed by student workers.
 - Outreach services: faculty/staff exercise program, clinical gait analyses, balance and mobility assessment, bicycle fitting, golf performance assessment, health and fitness testing and assessment, Adult Physical Fitness Program, cardiovascular risk factors screenings.
- 28. Student Competitions (Strategic Plan Goal 4-C)
 - Undergraduate students in Athletic Training and Exercise Science participated in academic competitions at state/regional meetings.
 - Graduate students in Sport Administration competed and placed 3rd at the College Sport Research Institute case study competition at the University of North Carolina at Chapel Hill.
- 29. Increase Level of Faculty Diversity (Strategic Plan Goal 4-D)
 - Positions posted in minority (women, black) outlets. Additional outlets being gathered.
- 30. New Construction and renovations (Strategic Plan Goal 4-E)
 - Cooperative shared space usage planning for the new SWRC facility completed in August 2010 is considered satisfactory.
- 31. Sustainability Plans (Strategic Plan Goal 4-F)
 - Faculty are encouraged to be mindful of resource use and ways to reduce paper use.
 - Recycling containers are present throughout the HP and PL complex.
- 32. Marketing Communication (Strategic Plan Goal 4, Supporting Objective, i)
 - Not Applicable.
- 33. Summary of development (Strategic Plan Goal 4, Objective, ii)
 - Not Applicable.
- 34. Innovative use of information technology (Strategic Plan Goal 4, Objective, iii)
 - Not Applicable.

35. Professional certification and licensing

• 23 members of the School's faculty maintain external credentials in the form of certification or licensure.

PERSONNEL ACTIONS

Leadership

- Dr. Thomas Weidner appointed as Interim School Chair, May 2010; elected to 5-year term, October, 2010.
- Dr. David Pearson will continue to serve as an Associate Chair; Dr. David Pierce will begin serving as the
 other Associate Chair.

New Tenure-line hires to date (begin August, 2011)

- Dr. James Johnson, Sport Administration
- Dr. Jen Popp, Athletic Training (Program Director)
- Dr. Amber Phillips, Physical Education-Teacher Education
- Dr. Dorice Hankemeier, Athletic Training

Tenure-line Retirements/Resignations

- Dr. Trent Hargens resigned
- Dr. Arlene Ignico retired
- Dr. Lisa Jutte resigned

CHANGES IN SCHOOL MERIT SYSTEM

- Implemented Merit Self-Evaluation Rubric.
- Adhered more to the performance rating scale.

FACULTY/STUDENT AWARDS

Faculty

- School/University
 - o Dr. Tony Mahon Outstanding Tenure-Line Teacher 2011
 - o Mrs. Kendra Zenisek Outstanding Contract Faculty Teacher 2011
- External to BSU
 - o None

Students

- School/University (Undergraduate)
 - o Corissa West (Physical Education Teacher Education): Grace Woody Scholarship)
 - o Nikki Milligan (Physical Education Teacher Education): Ruth Andrews Scholarship)
 - o Anna Dick/Brian Swift (Physical Education Teacher Education): Katherine Hamilton King Scholarship
 - o Shannon Clark (Physical Education Teacher Education): Mildred Hollett Smith Scholarship
 - o Andrea Patrick (Physical Education Teacher Education): G. Ann Uhlir Scholarship
 - o Aimee Buckland (Physical Education Teacher Education): Dee Ann Birkel Dynamic Teaching Award
 - o Jennifer Brassie (Physical Education Teacher Education): John Reno Professionalism Award
 - o Maria Gramelspacher (Physical Education Teacher Education): Outstanding Senior Award
 - o Matt Wells and Brittany Kelly SPTAD UG Majors of the Year
 - Kori Leatherman and Alex Gehle. Outstanding Senior in Exercise Science Award
 - o Josue Pizana (Athletic Training): James C. Dickerson Outstanding Senior Award
 - O Jonathan Wicks (Athletic Training): Rex L. Sharp Professional Dedication Award
 - o Lucas Dargo (Athletic Training): Richard L Hoover Cardinal Athletic Training Award
 - o Lindsey Gregg (Athletic Training): Professional Promise Award
 - o Lucas Dargo (Athletic Training): Sayers "Bud" Miller Inspirational Award
 - o Nathan Hoffmeier (Athletic Training): Most Valuable Athletic Training Student Award
 - o Courtney McCord, Leah Ginn (Athletic Training): Rookie Athletic Training Student Award
 - o Michelle Kirchgassner (Athletic Training): Matthew B. Roush M.D. Memorial Scholarship
 - o Jennifer Walters (Athletic Training): Andy Weidner Memorial Award

- o Chester Coon(Athletic Training): Outstanding Clinical Instructor
- Student Competitions/Awards (external)
 - o Katie Gallagher (Physical Education Teacher Education): Catherine Wolf IAHPERD Scholarship
 - o Maria Gramelspacher (Physical Education Teacher Education): NASPE Outstanding Major Award
 - o Andrew Tuke, Kelly Diamond, Elizabeth Wanless, David Hanley -SPTAD Graduate students finished third in CSRI case study competition
- School/University (Graduate)
 - o Elizabeth Wanless- Korsgaard Outstanding Graduate Student Award

Alumni

- o Tammy Brant, NASPE National Middle School Physical Education teacher of the Year
- o Mike Bostic, BSU Alumni Association Coach of the Year Award

ACADEMIC PROGRAM CHANGES

New (implemented)

• Sport Administration program has been approved as a stand-alone major by the Indiana Commission on Higher Education.

New (pending approval)

• Drop of secondary physical education license program.

New programs (next 5 years)

• None.

Program Revisions (implemented fall, 2010)

- Aquatics
 - Revised coursework, revised program, and changed course prefix from PEP to AQUA.
- Physical Education Teacher Education
 - Two course work changes (PEP 252 misrepresented as a 3-credit course, corrected to a 2-credit course; created parallel course [PEP 103] for PEP 399 at no credit hour).
- Sport Administration
 - o Revised admission and retention standards.
 - o Added a new course (SPTAD 195 in place of PEP 155).

Approved Program Revisions (for implementation fall, 2011)

- Athletic Training (Undergraduate)
 - o Added a statement at the end of the bullets for the admission requirements.
- Physical Education Teacher Education (Undergraduate)
 - Revised Decision Point Requirements.
- Physical Education Teacher Education (Graduate)
 - Revised Research requirements to be consistent with all programs in the School of Physical Education,
 Sport and Exercise Science.
- Athletic Coaching Education (Graduate)
 - o Changed name from Coaching to Athletic Coaching Education.
 - Revised Research requirements to be consistent with all programs in the School of Physical Education,
 Sport and Exercise Science.
- Sport Administration (Undergraduate)
 - o Added a new course SPTAD 499 Independent Study in Sport Administration.
 - Revised SPTAD 190 Introduction to Sport Administration (3.0) (Junior's and Senior's by permission only).
- Sport Administration (Graduate)
 - Revised Curriculum Removed Higher Education and Public School options to just one option for Sport Administration.
 - o Added a new course SPTAD 617 Financial Principles in Sport (3.0).
 - o Added a new course SPTAD 619 Sport Facility and Event Administration (3.0).
 - o Added a new course SPTAD 677 Intercollegiate Athletics Policy (3.0).
 - o Added a new course SPTAD 691 Sports in the USA on Film: A historical Perspective (3.0).
 - o Revised SPTAD 603 Sport Administration Ethics and Philosophy (3.0).
 - o Revised SPTAD 606 Operations and Oversight of Aquatic Facilities (3.0).
 - o Revised SPTAD 611 Sport Marketing and Promotions (3.0).
 - o Revised SPTAD 615 Sport Law (3.0).

- Revised SPTAD 628 (PEP 628) International and Comparative Administration of Sport (3.0).
- o Revised SPTAD 676 Sport Administration Theory and Policy Development (3.0).
- o Revised SPTAD 695 (PEP 692) Administration of Personnel in Sport (3.0).

• Clinical Exercise Physiology (Graduate)

Revised Research requirements to be consistent with all programs in the School of Physical Education,
 Sport and Exercise Science.

• Sport Performance (Graduate)

Revised Research requirements to be consistent with all programs in the School of Physical Education, Sport and Exercise Science.

• Sport and Exercise Psychology (Graduate)

Revised Research requirements to be consistent with all programs in the School of Physical Education, Sport and Exercise Science.

• Adapted Physical Education (Graduate)

Revised Research requirements to be consistent with all programs in the School of Physical Education, Sport and Exercise Science.

• Exercise Science (EXSCI)

- o Revised EXSCI 600 Internship in Exercise Science (1.0 6.0).
- o Revised EXSCI 611 Research Methods (Thesis) (3.0).
- \circ Revised EXSCI 633 Seminar in Exercise Science (1.0 6.0).

• Physical Education Professional (PEP)

- o Revised PEP 600 Internship in Sport and Physical Education (1.0 6.0).
- o Revised PEP 601 Research Applications (non-Thesis) (3.0).
- o Revised PEP 609 Sport Psychology (3.0).

Planned Program Revisions (next 5 years)

- Develop Sport Performance program into a distance education curriculum.
- Develop a variety of distance education courses for 2012 summer school offerings.

Dropped

- Minor in Coaching
- PEP 628 Comparative Physical Education and Sport (3.0)
- PEP 692 Sport Supervision (3.0)
- SPTAD 601 Research for the Sport Practitioner (3.0)
- SPTAD 607 Aquatic Programming (3.0)
- Master of Arts or Master of Science in Physical Education and Sport: Sport Management

Planning to Drop

- Graduate Adapted Physical Education Program
- Exercise for the Older Adult Minor

UNDERGRADUATE STUDENT ENROLLMENTS

- For Undergraduate Majors, there was an increase from 755 majors in Fall 2009 to 828 majors in Fall 2010. In Spring, there was an increase from 740 majors to 807 majors. All majors showed an increase, with the exception of PETE which stayed stable (see Appendix C for further enrollment data).
- The numbers of graduating students for each major code is listed below. This information has been helpful in energizing efforts to improve completion of programs (e.g., Aquatics).

MAJORS COMPLETED PROGRAMS 08/09-09/10

(Compiled from reports provided by the Director of Systems Technology for Enrollment, Marketing, and Communications in December 2010) (More current data is unavailable at this time):

106A001BA/BS	PHYSICAL EDUCATION	13	19
106M002BS	ATHLETIC TRAINING	12	8
106M006BA/BS	EXERCISE SCIENCE, HLTH & FITNS	22	34
106M007BS	EXERCISE SCIENCE, BSC & APP SC	26	26
106M008BA/BS	EXERCISE SCIENCE, SPORT AD OPT	55	59
106M010BS	EXERCISE SCIENCE, AQUATICS OPT	5	9

- For Minors, there was an increase from 217 minors in Fall 2009 to 223 minors in Fall 2010. In Spring there was an increase from 206 minors to 210 minors. Losses in Coaching and Physical Education Secondary minors were offset by increases in Sport Medicine, Adapted Physical Education, and Aquatics minors (see Appendix C for further enrollment data).
- Data regarding the numbers of students actually completing a minor is listed below. This information has helped inform dropping minor programs (e.g., Coaching, Exercise for the Older Adult) and energizing efforts to improve program completion numbers (e.g., Aquatics, Adapted Physical Education).

MINORS COMPLETED PROGRAMS 08/09-09/10

(Compiled from reports provided by the Director of Systems Technology for Enrollment, Marketing, and Communications in December 2010) (More current data is unavailable at this time):

106N002	COACHING	4	6	
106N012	AQUATICS OPT 1: TEACHING	4	1	
106N006	AQUATICS OPT 2: ADMINISTRATN	1	4	
106N009	AQUATICS OPT 3: SCUBA INSTR	0	0	
106N010	SPORTS MEDICINE	12	21	
106N011	ADAPTED PHYSICAL ACTIVITY	1	1	
107N005	PHYSICAL ACTIVITY-OLDER ADULT	7	4	
Total	SPESES	29	37(An increase of 8))

ACTIONS TO IMPROVE 4 YEAR GRADUATION RATES FOR UNDERGRADUATE MAJORS.

- Years and semesters to graduation have been evaluated and shared with program coordinators.
- Undergraduate majors are being requested to reduce their curricula to 120 hrs. (except Physical Education-Teacher Education).
- Online courses are being developed to provide students with greater flexibility/efficiency in completing coursework.
- Advisement for the various majors has been evaluated by graduating students and feedback provided to academic advisors.

APPENDIX A: DEPARTMENT SCHOLARSHIP DATA

Publications

- 1. Armstrong, K. J., Weidner, T. (2010). Formal and informal continuing education activities and Athletic Training professional practice. *Journal of Athletic Training*, 45(3), 279-286.
- 2. Armstrong, K. J., Weidner, T. Preferences and barriers regarding formal and informal Athletic Training continuing education activities.. *Journal of Athletic Training*.
- 3. Bell, R. J., Finch, W. H., Whittaker, Z (2010). Duration of pre-performance routines and outcomes of divers. *The Sport Journal*,(13), 4. http://www.thesportjournal.org/article/duration-pre-performance-routines-divers-and-performance-outcomes
- 4. Bell, R. J., Cox, K. C., Finch, W. H. (2010). Pre-putt routines of collegiate golfers and putting outcomes. *Journal of Sport Behavior*, (32), 239-257.
- 5. Bellar, D., Judge, L. W. Efficacy of potentiation of shot put performance through heavy medicine ball throws on male collegiate shot putters.. *Applied Research in Coaching and Athletics Annual*.
- 6. Bellar, D., Judge, L. W. Utilizing Low Dose Caffeine for Early Morning Training Sessions.. *Strength and Conditioning*.
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- 86. Wanless, E., Judge, L. W. (2010). Eat to win: Proper nutrition for elite performance.. *Indiana AHPERD Journal*, 39(2), 23-29.
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Books/Book Chapters

- Brimecombe, M. J. (2011). Introduction to Sport Management (1st ed., vol. 1, pp. 418). San Diego, CA: University Reader Press.
- 2. Bell, R. J. (2010). Mental Toughness Training for Golf. Bloomington, IN: AuthorHouse Publishers.
- 3. Judge, L. W., Young, M. *The shot put handbook*.. Monterey, CA: Coaches Choice Publishing. Chapter in Books/Textbook
- 4. Blom, L. C., Viske, A., Harris, B. *Youth sport consulting ethics- In Ethical Issues in Sport, Exercise, and Performance Psychology*. Morgantown, WV: Fitness Information Technology.
- 5. Bussell, L. A. (2011). *Traffic Flow Management*. Thousand Oaks, CA: Sage Publication.
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- 9. Bussell, L. A. (2011). *Media Relations*. Thousand Oaks, CA: Encyclopedia of Sport Management and Marketing.

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- 11. Bussell, L. A., Pavlechko, I. M. (2011). *Management of Golf Tournament*. Thousand Oaks, CA: SAGE Publications.
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- 13. Kaminsky, L. A. (2010). Becoming Physically Fit (vol. 11th edition). Boston: McGraw Hill.
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- 17. Mahon, A. D., Skalon, T. R. (2010). Exploring Exercise Science (pp. 12-28). New York: McGraw Hill.

Presentations-Conference

- 1. Armstrong, Kirk J, Jarriel, Amanda, Walker, Stacy E., Athletic Trainers' Educators Conference, "Utilizing standardized patients to teach interpersonal and clinical skills.," NATA, Washington, DC. (February 26, 2011).
- 2. Bell, Robert John, Hallbrook, Meghan K, Nahlik, Robert J, Association of Applied Sport Psychology, "Solution-Focused Guided Imagery as a treatment for the yip," Providence, R.I.. (October 29, 2010).
- 3. Bellar, A., Bellar, D., Judge, Lawrence W., National Strength and Conditioning Conference, "Relationship between cognitive function and dynamic balance in older adults.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 4. Bellar, D., Judge, Lawrence W., National Strength and Conditioning Association Conference, "Effects of low-dose buccal caffeine on muscle endurance and anaerobic performance.," National Strength and Conditioning Association, Orlando, FL. (July 17, 2010).
- 5. Bellar, D., Judge, Lawrence W., Petersen, J., Lydum, M., International Conference of Physical Education and Sports Science., "The mystery surrounding the inaugural Youth Olympic Games in the United States sports community.," Physical Education and Sports Science., Singapore. (May 27, 2010).
- 6. Berry, David, Hughes, Brian, Walker, Stacy E., National Athletic Trainers' Association Annual Meeting and Clinical Symposia, "Getting the Most Out of Your Continuing Education Activities: Develop Your Personal Learning Plan.," National Athletic Trainers' Association, Philadelphia, PA. (June 23, 2010).
- 7. Blom, Lindsey Christine, Association of Applied Sport Psychology Annual Conference, "Teaching the Millennial Student: Using Group Dynamics Research," Association of Applied Sport Psychology, Providence, RI. (October 28, 2010).
- 8. Blom, Lindsey Christine, Lape, Jennifer, Kirkpatrick, Kurtis, Borlee, Claudia, Halbrook, Meghan, Association of Applied Sport Psychology annual meeting, "A Review of Research on Spectator Comments at Youth Sporting Events," Association of Applied Sport Psychology, Providence, RI. (October 29, 2010).
- 9. Brignac, A., Bellar, D., Judge, Lawrence W., Smith, J., Mazerat, N., Trosclair, D., National Strength and Conditioning Conference, "The relationship of BMI to grade point average, age and multiple fitness tests.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 10. Brimecombe, Michelle Jennifer, Sport Entertainment and Venues Tomorrow, "We Can't All be GM's," Sport Entertainment and Venues Tomorrow, Columbia, SC. (November 17, 2010).
- 11. Bussell, Leigh Ann, North American Society for Sport Management, "Hands-on Sport Communication," NASSM, Tampa, FL. (June 5, 2010).
- 12. Bussell, Leigh Ann, North American Society for Sport Sociology, "Responding to Backlash in the Classroom: What's a Professor to Do?"," NASSS, San Diego, CA. (November 4, 2010).
- 13. Bussell, Leigh Ann, North American Society for Sport Sociology,, "Investigating Supervision Risks," NASSS, San Diego, CA. (November 5, 2010).
- 14. Diamond, Kelly, Pierce, David A., College Sports Research Institute, "Canadian Athletic Administrators' Perceptions of Simon Fraser University's Jump to the NCAA," Chapel Hill, NC. (April 22, 2011).
- 15. Dickinson, Jared M, Lee, Jonah D, Sullivan, Bridget E, Harber, Matthew Paul, Trappe, Scott, Trappe, Todd A., American College of Sports Medicine Annual Meeting, "A method to study in vivo protein synthesis in slowand fast-twitch human muscle fibers," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 16. Florea, Tucker, Pierce, David A., Indiana AAHPERD, "The Chase Charlie Races at Ball State University," Indiana AAHPERD, Indianapolis, IN. (November 9, 2010).
- 17. Harber, Matthew Paul, Mid-Atlantic American College of Sports Medicine Regional Conference, "The anabolic power of aerobic exercise," Mid-Atlantic American College of Sports Medicine, Harrisburg, PA. (November 2010).
- 18. Hargens, Trent A., Guill, Stephen G, Aron, Adrian, Zedalis, Donald, Gregg, John M, Herbert, William G, Annual Meeting, "The Oxygen Uptake Efficiency Slope During Maximal Exercise Testing in Young Men with OSA," American College of Sports Medicine, Baltimore, MD. (June 2010).

- 19. Harris, B., Judge, Lawrence W., Bellar, D., Bell, Robert John, National Strength and Conditioning Conference, "Male and female differences in perceived social support from strength coaches among injured student-athletes.," National Strength and Conditioning, Orlando< FL. (July 16, 2010).
- 20. Ignico, A., National Share the Wealth Convention, "Title IX is Alive and Well," Jekyll Island, GA. (2011)
- 21. Ignico, A., AAHPERD National Convention, "A Visit from the Office for Civil Rights," Indianapolis, IN. (2010)
- 22. Ignico, A., National Share the Wealth Convention, "Physical Education Redefined," Jekyll Island, GA. (2011)
- 23. Johnson, James Eric, Annual National Association of Academic Advisors for Athletics National Convention, "Predicting First-Year GPA and Retention of Student-Athletes Using Demographic, Academic, and Athletic Variables," Salt Lake City, UT. (June 2010).
- 24. Johnson, James Eric, College Sport Research Institute Conference on College Sport, "Investigating GPA and Retention of Student-Athletes Using Traditional and Athletic Variables.," College Sport Research Institute, Chapel Hill, NC. (April 20, 2011).
- 25. Judge, Lawrence W., Bell, Robert John, R. Theodore, American Association of Applied Sport Psychology Conference, "An examination of burn-out in Division II athletes.," American Association of Applied Sport Psychology, Providence, RI. (October 29, 2010).
- 26. Judge, Lawrence W., Bellar, D., Bodey, K., Wanless, E., 7th International Conference on Strength Training, "An examination of the stretching perceptions and practices of division I and division III college basketball programs in the United States.," International Conference on Strength Training, Bratislava, Slovakia. (October 28, 2010).
- 27. Judge, Lawrence W., Bellar, D., Gilreath, E., Wanless, E., National Coaching Educators Conference, "Taking strides towards Prevention-based Deterrence? USATF Coaches Perceptions of PED use and drug testing: On the right track?," National Coaching Educators, Savannah, GA. (June 18, 2010).
- 28. Judge, Lawrence W., Bellar, D., Judge, M., Gilreath, E., National Strength and Conditioning Association Conference, "Efficacy of potentiation of performance through overweight implement throws on high school weight throwers.," National Strength and Conditioning Association, Orlando, FL. (July 17, 2010).
- 29. Judge, Lawrence W., Bellar, D., Kamiori, C., The American College of Sports Medicine Conference, "The effect of caffeine on psychomotor and athletic performance in the shot put throw.," The American College of Sports Medicine, Baltimore, MD. (June 4, 2010).
- 30. Judge, Lawrence W., Bellar, D., Petersen, J., Gilreath, E., Wanless, E., College Sport Research Institute Scholarly Conference on College Sport, "Prevention-based deterrence of performance-enhancing drugs: Are USATF coaches on track?," Chapel Hill, NC. (April 2011).
- 31. Judge, Lawrence W., Bellar, D., Petersen, J., Lydum, M., International Conference of Physical Education and Sports Science, "The perceived personal and public awareness of the inaugural Youth Olympic Games.," Physical Education & Sports Science Academic Group, Singapore. (May 27, 2010).
- 32. Judge, Lawrence W., Bellar, D., Petersen, J., Lydum, M., International Conference of Physical Education and Sports Science., "The perceived personal and public awareness of the inaugural Youth Olympic Games.," International Conference of Physical Education and Sports Science., Singpore. (May 27, 2010).
- 33. Judge, Lawrence W., Bellar, D., Wanless, L., American Alliance of Health, Physical Education, Recreation and Dance Convention, "Design and management of the collegiate hammer facility.," San Diego, CA. (March 2011).
- 34. Judge, Lawrence W., Bodey, K., Bellar, D., Bottone, A., Wanless, E., National Strength and Conditioning Conference, "An examination of the stretching perceptions and practices of division I college volleyball programs in the United States.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 35. Judge, Lawrence W., CISCO Systems marketing event, "Winning at the game of the game of business.," CISCO Systems marketing event, Noblesville, IN. (October 17, 2010).
- 36. Judge, Lawrence W., Indiana Association of Health, Physical Education, Recreation and Dance Conference, "Managing a major sports organization.," Indiana Association of Health, Physical Education, Recreation and Dance, Indianapolis, IN. (November 14, 2010).
- 37. Judge, Lawrence W., Kantzidou, E., Bellar, D., Petersen, J., International Sociology of Sport Association Conference, "The Promotion and Perception of the Youth Olympic Games: A Greek Perspective.," International Sociology of Sport Association, Gothenburg, Sweden. (July 11, 2010).
- 38. Judge, Lawrence W., Lee, D., Bellar, D., Wanless, E., 7th International Conference on Strength Training, "Resistance training patterns of university students," International Conference on Strength Training, Bratislava, Slovakia. (October 28, 2010).
- 39. Judge, Lawrence W., Petersen, J., Bellar, D., The North American Society for Sport Management, "The promotion and perception of the Youth Olympic Games: A figure skating perspective.," The North American Society for Sport Management, Tampa, FL. (June 5, 2010).

- 40. Judge, Lawrence W., Petersen, J., Bellar, D., Wanless, E., North American Society for the Sociology of Sport (NASSS) Conference., "An analysis of the inaugural Youth Olympic Games awareness and consumption.," San Diego, CA.. (November 2010).
- 41. Judge, Lawrence W., Petersen, Jeffrey, Pierce, David A., III International Conference of Physical Education and Sports Science, "Developing a student driven community event to help battle obesity: The Chase Charlie Races project," Physical Education & Sports Science Academic Group, Singapore. (May 25, 2010).
- 42. Judge, Lawrence W., Wanless, E., Association of Health, Physical Education, Recreation and Dance Conference, "Dietary practices of strength," Association of Health, Physical Education, Recreation and Dance, Indianapolis, IN. (November 14, 2010).
- 43. Jutte, Lisa S., McIntosh Ian, GLATA Annual Meeting and Symposium, "The Effect of Antihistamine on the Signs and Symptoms of Eccentric Muscle Damage," Great Lakes Athletic Trainers' Assoication, Minneapolis, MN. (March 11, 2011).
- 44. Jutte, Lisa S., NATA Educator's Conference, "Using Study Abroad Education to Increase Cultural Awareness in Sports Medicine," National Athletic Trainers' Association, Washington, DC. (February 25, 2011).
- 45. Jutte, Lisa S., National Athletic Trainers' Association Annual Meeting and Clinical Symposium, "Normal ankle sensation can be established before or after cryotherapy by measuring the contralateral ankle.," National Athletic Trainers' Association, Philadelphia, PA. (June 2010).
- 46. Kaburakis, Anastasios, Grady, John, Clavio, Galen, Pierce, David A., 7th Annual Conference of the Sport Marketing Association, "Delineating the Boundaries of Marketing Innovation Versus 21st Newberry Century Intellectual Property Theory in the Sport & Entertainment Industry," Sport Marketing Association, New Orleans, LA. (October 28, 2010).
- 47. Kaminsky, Leonard A., 2nd Clinical Exercise Specialist (CES) Workshop, "Case Studies 1 & 2," American College of Sports Medicine, Asan Medical Center, Seoul, Korea. (May 2010).
- 48. Kaminsky, Leonard A., 2nd Clinical Exercise Specialist (CES) Workshop, "Exercise Prescription for Resistance Training," American College of Sports Medicine, Asan Medical Center, Seoul, Korea. (May 2010).
- 49. Kaminsky, Leonard A., 2nd Clinical Exercise Specialist (CES) Workshop, "Overview: Cardiac & Pulmonary Disease," American College of Sports Medicine, Asan Medical Center. (May 2010).
- 50. Kaminsky, Leonard A., Angioplasty Summit-TCTAP, "Exercise Training, Rehabilitation & Other Chronic Diseases.," CardioVascular Research Foundation, Seoul, Korea. (May 2010).
- 51. Kaminsky, Leonard A., Cochran, Heather L, Hargens, Trent A., Strath, Scott J, Annual Meeting, "Investigation of Methods to Determine Individualized Thresholds for Moderate and Vigorous Intensity from Accelerometer Measurements," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 52. Kaminsky, Leonard A., Division of Kinesiology and Health -Spring Seminar Series, "Insufficient Physical Activity Levels of Cardiac Rehabilitation Patients Can the solution be found in a little black-box?," College of Health Sciences, University of Wyoming. (February 24, 2011).
- 53. Kaminsky, Leonard A., Hargens, Trent A, Joint Conference Nutrition, Physical Activity and Metabolism and Cardiovascular Disease Epidemiology and Prevention 2011 Scientific Sessions, "Diurnal Variation of Lipoprotein-Associated Phospholipase A2," American Heart Association, Atlanta, GA. (March 22, 2011).
- 54. Kaminsky, Leonard A., Hargens, Trent A, Ozemek, Cemal, Riggin, Katrina, Strath, Scott J, Joint Conference -Nutrition, Physical Activity and Metabolism and Cardiovascular Disease Epidemiology and Prevention 2011 Scientific Sessions, "Objective Measures of Physical Activity in Maintenance Cardiac Rehabilitation Patients," American Heart Association, Atlanta, GA. (March 22, 2011).
- 55. Keeler, Linda, Clifford, Dawn, Blom, Lindsey Christine, American Psychologial Association Convention, "Initial Exploration of Goal-Orientation for Weight Management," American Psychological Association, San Diego, CA. (August 14, 2010).
- 56. Kruckenberg, Micaela A, Kaminsky, Leonard A., Hargens, Trent A., Friesen, Carol A., Annual Meeting, "The Relationships Between Current and Past Physical Activity Participation and Bone Status in a Mixed Menopausal Population," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 57. Kumley, Roberta, Friesen, Carol A., Pike, Kimberli Loy, Judge, Lawrence W., SCAN Symposium 2011, "Hydration and Fluid Replacement, Knowledge, Attitutes, Barriers, and Behaviors of NCAA Division I Football Players," Sports, Cardiovascular and Wellness Nutrition (SCAN), Chicago, IL. (March 11, 2011).
- 58. Ledden, Erin T, Hargens, Trent A., Griffin, Diane C, Kaminsky, Leonard A., Annual Meeting, "The Influence of Aerobic Exercise on the Double Product Break Point in Low to Moderate Risk Adults," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 59. Lee, J D, Sullivan, B E, Carroll, C C, Dickinson, J M, LeMoine, J K, Haus, J M, Weinheimer, E M, Hollon, Chris J, Trappe, Todd A., American College of Sports Medicine Annual Meeting, "Muscle composition with resistance training and cyclooxygenase inhibitor consumption in the elderly," American College of Sports Medicine, Baltimore, MD. (June 2010).

- 60. Leib, Daniel, Wang, He, Dugan, Eric, the 34th Annual Meeting of the American Society of Biomechanics, "An integrated modeling method for bone strain analysis," American Society of Biomechanics, Providence, RI. (August 18, 2010).
- 61. Lindsay, Martin, Friesen, Carol A., Pike, Kimberli Loy, Blom, Lindsey Christine, Pucciarelli, Deanna L., 2011 SCAN Symposium, "Application of the Theory of Anticipatory Guidance to Understand the Nutritional Habits and Needs of Underclass Collegiate Athletes," Sports Cardiovascular and Wellness Nutrition, Chicago, IL. (March 11, 2011).
- 62. Mahon, Anthony D., "Exercise Physiology and the Human Performance Laboratory at Ball State University," East Central Indiana Dietetic Associaton. (May 2010).
- 63. Mahon, Anthony D., "Exercise Physiology and the Human Performance Laboratory at Ball State University," Muncie Sunrise Rotary. (January 2011).
- 64. Mazerat, N., Bellar, D., Judge, Lawrence W., Brignac, A., Smith, J., Trosclair, D., National Strength and Conditioning Conference, "Relationship between exercise habits and age of college students.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 65. Nagelkirk, Paul R., Boyle, Leryn J., American College of Sports Medicine Annual Meeting, "The effects of whole body vibration and exercise on fibrinolysis in men.," American College of Sports Medicine, Baltimore MD. (June 2, 2010).
- 66. Newsom, Sean A, Schenk, Simon, Harber, Matthew Paul, Burant, Charles F, Horowitz, Jeffrey F, Integrative Physiology of Exercise, "Insulin sensitivity is lowest in obese women with high rates of fatty acid uptake," American College of Sports Medicine, Miami Beach, FL. (September 2010).
- 67. Patrick, TJ, Bellar, D., Judge, Lawrence W., Craig, B., National Strength and Conditioning Conference, "Correlation of height and preseason bench press 1RM to shot put and weight throw performance during the competitive season.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 68. Petersen, J., Judge, Lawrence W., Gilreath, E., Bellar, D., College Sport Research Institute Scholarly Conference on College Sport, "Creatine usage and education of track and field throwers at NCAA Division I universities.," Chapel Hill, NC. (April 2011).
- 69. Petersen, J., Piletic, C., Judge, Lawrence W., American Alliance of Health, Physical Education, Recreation and Dance Convention, "Open to all? Collegiate and community fitness center accessibility.," San Diego, CA. (March 2011).
- 70. Petersen, Jeffery, Johnson, James Eric, Yurko, Ryan, Annual Conference of the Sport Marketing Associatin, "A Longitudinal Analysis of Gender Differences in Marketing Factor Influences for Student Attendance in FBS Football," New Orleans, LA. (October 2010).
- 71. Petersen, Jeffrey, Judge, Lawrence W., Pierce, David A., North American society for Sport Management Conference, "Engaging Experiential Service Learning through a Co-curricular club," North American Society for Sport Management, Tampa, FL. (June 1, 2010).
- 72. Petersen, Jeffrey, Pierce, David A., Texas AHPERD, "Assessing fitness center accessibility: A reliability analysis for the AIMFREE survey instrument," Texas AHPERD, Galveston, TX. (December 1, 2010).
- 73. Pierce, David A., Cianfraone, Beth, Paule, Amanda, Kaburakis, Anastasios, College Sports Research Institute, "NCAA Student-Athletes' Perceptions of Commercial Activity and Sports Video Games," Chapel Hill, NC. (April 22, 2011).
- 74. Pierce, David A., Indiana AAHPERD, "Fair or Foul: Bias in Referee Decision Making," Indiana AAHPERD, Indianapolis, IN. (November 12, 2010).
- 75. Pierce, David A., Indiana AAHPERD, "Leadership in Interscholatic Athletics," Indiana AAHPERD, Indianapolis, IN. (November 12, 2010).
- 76. Pierce, David A., Kyung He University Video Conference, "Event planning and sales," Kyung He University, Muncie, IN. (October 2010).
- 77. Pierce, David A., Nagelkirk, Paul R., Skalon, Tonya Renee, Blackford County School Board Meeting, "Blackford County Youth Sport, Health, and Wellness Camp," Blackford County School Board, Hartford City, IN. (July 20, 2010).
- 78. Pierce, David A., Petersen, Jeffrey, 7th Annual Conference of the Sport Marketing Association, "Developing a sustainable client-based, experiential sport sales project," Sport Marketing Association, New Orleans, LA. (October 29, 2010).
- 79. Pierce, David A., Petersen, Jeffrey, Meadows, Bradley, 7th Annual Conference of the Sport Marketing Association, "Sport Sales Course Student Assessment: A Three-Prong Approach," Sport Marketing Association, New Orleans, LA. (October 28, 2010).
- 80. Raue, U, Trappe, Todd A., Estrem, S, Qian, H, Helvering, L, Smith, R, Trappe, Scott, Integrative Physiology of Exercise Meeting, "Human mixed muscle and fiber type specific transcriptome profile with age and exercise.," American College of Sports Medicine and The American Physiological Society, Miami, FL. (September 2010).

- 81. Reidy, Paul, Hinkley, James M, Trappe, Scott, Harber, Matthew Paul, Experimental Biology Annual Meeting, "Skeletal muscle myosin light chain composition of highly-trained endurance runners.," APS, Washington, D.C.. (April 2011).
- 82. Smith, J., Bellar, D., Judge, Lawrence W., Mazerat, N., Trosclair, D., Brignac, A., National Strength and Conditioning Conference, "The 90 second dumbbell swing as a test of muscular endurance.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 83. Sullivan, B E, Lee, J D, Carroll, C C, Dickinson, J M, LeMoine, J K, Haus, J M, Weinheimer, E M, Hollon, Chris J, Trappe, Todd A., American College of Sports Medicine Annual Meeting, "Muscle cyclooxygenase enzyme content with resistance training and cyclooxygenase inhibitor consumption in the elderly," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 84. Thur, Laurel T, Rhodes, Philip G, Hargens, Trent A., Wegner, Michael, Kaminsky, Leonard A., Annual Meeting, "The Usefulness of Including a Lipoprotein-associated Phospholipase A2 Test in Cardiac Risk Assessments of Women," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 85. Trappe, Scott, Hayes, E, Galpin, A, Jemiolo, B, Fink, W, Trappe, Todd A., Kaminsky, Leonard A., Jasson, A, Gustafsson, T, Tesch, P, Integrative Physiology of Exercise Meeting, "New Records in Aerobic Power Among Octogenarian Lifelong Endurance Athletes.," American College of Sports Medicine and The American Physiological Society, Miami, FL. (September 2010).
- Trappe, Scott, Luden, N, Minchev, K, Trappe, Todd A., American College of Sports Medicine Annual Meeting, "Skeletal Muscle Signature of a Champion Sprint Runner," American College of Sports Medicine, Baltimore, MD. (June 2010).
- 87. Trappe, Todd A., CERMUSA Rural Telehealth and Advanced Technologies Conference, "Benefits of Exercise in Aging Individuals: Lessons Learned from Older Adults and Astronauts.," St. Francis University, Loretto, PA. (October 2010).
- 88. Trappe, Todd A., Presented via webcast and teleconference to a large group of teachers across the United States as part of NASA's education initiative., "Humans in Space: Moon, Mars, and Beyond.," NASA, Multiple sites in the United States. (June 2010).
- 89. Trosclair, D., Bellar, D., Judge, Lawrence W., Brignac, A., Smith, J., Trosclair, D., National Strength and Conditioning Conference, "Hand-grip strength as a predictor of muscular strength and endurance.," National Strength and Conditioning, Orlando, FL. (July 17, 2010).
- 90. Walker, Stacy E., Armstrong, Kirk J, Berry, David C, Samdperil, Gail, Hughes, Brian, McGuine, Timothy, Penny, Judith M, National Athletic Trainers' Association Annual Meeting and Clinical Symposia, "Various factors affect athletic trainers' selection of continuing education.," National Athletic Trainers' Association, Philadelphia, PA. (June 23, 2010).
- 91. Walker, Stacy E., Curless, Christopher, Athletic Training Educators Conference, "Using social media to disseminate evidence," NATA, Washington, DC. (February 26, 2011).
- 92. Walker, Stacy E., Jarriel, Amanda, Armstrong, Kirk J, Athletic Trainers' Educators Conference, "Consistency is Key: How to train standardized patients for consistent assessments.," NATA, Washington, DC. (February 26, 2011).
- 93. Walker, Stacy E., Weidner, Thomas, Armstrong, Kirk J, Great Lakes Athletic Trainers' Association Winter Meeting, "Standardized patient encounters and case-based simulations improve students' confidence and evaluation skills.," NATA, Minneapolis, MN. (March 17, 2011).
- 94. Wang, He, Frame, Jeff, Ozimek, Elicia, Reedstrom, Cara, Leib, Daniel, Dugan, Eric, 57th Annual Meeting of the American College of Sports Medicine, "Muscular Fatigue Increases Ground Reaction Loading Rate During Walking," ACSM, Baltimore, Maryland. (June 3, 2010).
- 95. Wang, He, Frame, Jeff, Ozimek, Elicia, Reedstrom, Cara, Leib, Daniel, Dugan, Eric, The 34th Annual Meeting of the American Society of Biomechanics, "Load carriage increases mechanical loading rates during walking," American Society of Biomechanics, Providence, RI. (August 18, 2010).
- 96. Wang, He, Slaven, Emily, Frame, Jeff, the 2nd congress of the international foot and ankle Biomechanics community, "Gait analysis after bilateral total ankle replacement a 12-month follow-up case study," International Foot and Ankle Biomechanics Association, Seattle, Washington. (September 17, 2010).
- 97. Wang, He, the 2010 North West Biomechanics Symposium, "An integrated modeling method for tibia strain analysis," American Society of Biomechanics, Seattle, WA. (May 21, 2010).
- 98. Wanless, E.A., Judge, Lawrence W., College Research Institute Scholarly Conference on College Sport, "Coach Certification and Pre-Activity Stretching Protocols at the Junior College Football Programs in the United States.," Chapel Hill. (April 2011).
- 99. Weidner, Thomas, National Athletic Trainers' Association Annual Meeting and Clinical Symposium, "Common Colds and Students: Science to Educational Research (Keynote address)," National Athletic Trainers' Association, Philadelphia, PA. (June 2010).

100. Wessel, Roger, Johnson, James Eric, National Convention of the National Association of Student Personnel Administrators, "Academic and Athletic Variables Influencing Athletic Success," Association of Student Personnel Administrators, Philadelphia, PA. (March 2011).

Presentations-Professional

- 1. Bell, Robert John, "If Imagery was easy, everyone would do it.," Indiana Coaches of Girls' Sports Association.
- 2. Bussell, Leigh Ann, "Sport Communication: The who, what, why and how," Kung Hee University. (October 2010).
- 3. Johnson, James Eric, "Getting an Internship: Resumes and Cover Letters," Sport Administration Club. (October 27, 2010).
- 4. Johnson, James Eric, "Writing a Dissertation," Department of Educational Studies. (September 30, 2010).
- 5. Lee, Donghun, "Past, Current, and Future Perspectives of Sport Management," Ball State University. (November 4, 2010).
- 6. Lee, Donghun, "Multivariate data analyses in sport consumer behavior research." (October 11, 2010).
- 7. Mahon, Anthony D., "Exercise Physiology and the Human Performance Laboratory at Ball State University," Muncie Sunrise Rotary. (January 2011).
- 8. Mahon, Anthony D., "Exercise Physiology and the Human Performance Laboratory at Ball State University," East Central Indiana Dietetic Association. (May 2010).
- 9. Reed, Carol Mae, "Data Entry For ARC Saba Web Program," SPESES Aquatics Faculty. (April 14, 2011).
- 10. Trappe, Scott, "Exercise in Space: Strategies for Skeletal Muscle Health," ACSM. (October 22, 2010).
- 11. Trappe, Scott, "Skeletal Muscle Health with Aging and Exercise," Central States ACSM. (October 20, 2010).
- 12. Trappe, Scott, "Integrated Resistance and Aerobic Training Study-SPRINT," NASA. (May 2010).
- 13. Wang, He, "The Effects of Fatigue and Load Carriage on muscular-skeletal injury mechanisms," SPESES and the US ARMY. (November 18, 2010).
- 14. Zenisek, Kendra Leigh, "Musculoskeletal Anatomy," Alexandria School of Scientific Therapeutics, Inc.. (2011).
- 15. Zenisek, Kendra Leigh, "Massage Therapy for Athletic Trainers." (February 4, 2011).
- 16. Zenisek, Kendra Leigh, "Musculoskeletal Anatomy," Alexandria School of Scientific Therapeutics, Inc.. (2010).
- 17. Zenisek, Kendra Leigh, "Massage Therapy," EXSCI 190. (October 12, 2010).

APPENDIX B: PROFESSIONAL ENGAGEMENT

Professional Organization Affiliations

- 1. American Academy of Sleep Medicine: Hargens
- American Alliance for Health, Physical Education, Recreation, and Dance: Bell, Blom, Burt, Hurley, Ignico, Judge, Lee
- 3. American Association of Applied Sport Psychology: Judge
- 4. American Association of Cardiovascular and Pulmonary Rehabilitation: Hargens, Kaminsky
- 5. American Association of University Women: Powers
- 6. American College of Sports Medicine: Harber, Hargens, Jutte, Kaminsky, Mahon, Nagelkirk, Skalon, S. Trappe, T. Trappe, Wang, Weidner
- 7. American College of Sports Medicine, Midwest Chapter: Hargens, Jutte, Nagelkirk, Skalon, Trappe
- 8. American Heart Association: Hargens, Kaminsky
- 9. American Physiological Society: Harber, Mahon, S. Trappe, T. Trappe
- 10. American Psychological Association: Blom, Hurley
- 11. American Senior Fitness Association: Donahue
- 12. American Society of Biomechanics: Wang
- 13. AMPAR: Powers
- 14. Association of Applied Sport Psychology: Bell, Blom, Hurley
- 15. Association of Standardized Patient Educators: Walker
- 16. College Sport Research Institute: Johnson, Pierce
- 17. Commission on Sport Management Accreditation: Bussell
- 18. Council on Facilities and Equipment: Judge
- 19. Divers Alert Network: Reed
- 20. Diving Equipment Manufacturers Association: Reed
- 21. Gerontological Society of America: T. Trappe
- 22. Great Lakes Athletic Trainers' Association: Jutte, Walker, Weidner
- 23. IDEA: Weyenberg
- 24. IDEA -Fitness Specialist: Salyer-Funk
- 25. IDEA Group Fitness: Winfrey-Kovell
- 26. IDEA Health and Fitness Association: Donahue
- 27. Indiana Academy of Science: Mahon
- 28. Indiana Alliance for Health, Physical Education, Recreation and Dance: **Blom, Burt, Hurley, Ignico, Johnson, Judge, Pierce Powers, Primmer, Weyenberg**
- 29. Indiana Athletic Trainers' Association: Jutte, Walker, Weidner
- 30. International Council for Health, Physical Education, Recreation, Sport, and Dance: Blom, Ignico
- 31. International Council for Health, Physical Education, Recreation, Sport, and Dance -Journal of Research: Lee
- 32. International Sport Sociological Society: Judge
- 33. National Association for Girls and Women in Sport: Ignico
- 34. National Association for Sport and Physical Education: Ignico
- 35. National Association of Academic Advisors for Athletics: Johnson
- 36. National Athletic Trainers Association: Kenisek, Jutte, Walker, Weidner
- 37. National Board for Certified Counselors: Blom
- 38. National Council for Accreditation of Coaching Education: Judge
- 39. National Soccer Coaches Association of America: Blom
- 40. National Strength and Conditioning Association: Judge, Pearson, Winfrey-Kovell
- 41. North America Society for Pediatric Exercise Medicine: Mahon
- 42. North American Federation of Adapted Physical Activity: Burt
- 43. North American Society for Psychology of Sport and Physical Activity: Blom, Hurley
- 44. North American Society for Sport Management: Bussell, Johnson, Judge, Lee, Pierce
- 45. North American Society for the Sociology of Sport: Bussell
- 46. Sigma XI: Wang
- 47. Southern Poverty Law Center: Ignico
- 48. Sport Marketing Association: Pierce, Winfrey-Kovell
- 49. United States Tennis Association: Winfrey-Kovell
- 50. US Track and Field: Primmer
- 51. WIN: Bussell

Reviewer/Referee Items

Bell, R. Journal of Applied Sport Psychology

> Journal of Sport Sciences The Sport Psychologist

AAPHERD Convention, NASPE Program Blom, L.

> Athletic Insight Journal Journal of Coaching Education

NASSS - Barbara A. Brown Outstanding Student Paper Award Bussell, L.

Applied Physiology, Nutrition & Metabolism Harber, M.

International Journal of Sports Medicine

Journal of Applied Physiology

Journal of Gerontology: Biological Sciences Medicine and Science in Sport and Exercise

American Journal of Hypertension Hargens, T.

> Journal of Physical Activity and Aging Medicine and Science in Sports and Exercise

AAHPERD Judge, L.

Journal of Sports Medicine

NASSM **Techniques**

The Physical Educator

Kaminsky, L. American College of Sports Medicine / Program Committee

Journal of Cardiopulmonary Rehabilitation and Prevention

American Alliance for Health, Physical Education, Recreation & Dance Lee. D.

Sport Marketing Association

Mahon, T. European Journal of Sport Science

International Journal of Sports Medicine

Journal of Applied Physiology

National Institutes of Health Grant Reviewer

Pediatric Exercise Science Research in Sports Medicine

Nagelkirk, P. Annals of Internal Medicine

Pierce, D. International Journal of Sport Communication - Special Issue

Sport Management Education Journal

Sport Marketing Association Abstract Reviewer American Journal of Physiology: Cell Physiology

Trappe, T.

Aviation, Space, and Environmental Medicine

Journal of Applied Physiology Journal of Biomechanics Journal of Physiology

Athletic Therapy Today

Walker, S.

Athletic Training Education Journal

Journal of Athletic Training

Medical Education Online Special Topics

Reviewer for the 2011 NATA Annual Meeting and Clinical Symposia

Wang, H. American Alliance for Health, Physical Education, Recreation and Dance

International Conference on Applied Bionics and Biomechanics

Jones & Bartlett Learning Journal of Clinical Biomechanics

Journal of Scandinavian medicine Science and Sports

Journal of Sports Biomechanics

Research Quarterly for Exercise and Sport

Attendance at Professional Meetings

American Alliance for Health, Physical Education, Recreation and Dance National Convention: Burt, Hurley, Ignico, Powers

American Association of Applied Sport Psychology Conference: Judge

American College of Sports Medicine: Harber, Hargens, Judge, Mahon, Nagelkirk, S. Trappe, Wang

American College of Sports Medicine Central States Annual Meeting: S. Trappe

American College of Sports Medicine - Physiology of Exercise: T. Trappe

American Heart Association Physical Activity Conference: Kaminsky

American Psychological Association Annual Convention: **Blom** American Society of Biomechanics Annual Meeting: **Wang**

Academic Chairperson Conference: Weidner

ARC course record / electronic entry orientation meeting: Yarger

Association of Applied Sport Psychology Annual Conference: Bell, Blom

Athletic Training Educators Conference: Jutte, Walker

Cardiovascular Disease Epidemiology 2011 Scientific Sessions: **Hargens** College Sport Research Institute Annual Conference: **Johnson, Pierce**

Congress of the International Foot and Ankle Biomechanics Community: Wang

Data on the Move, Advancing FEA Design through Patient-Based Motion Analysis: Wang

Experimental Biology Meeting: Harber, T. Trappe

Gerontological Society of America: Dickin

Great Lakes Athletic Trainer's Association (GLATA) Conference: Jutte, Walker, Weidner

Indiana Alliance of Health, Physical Education, Recreation and Dance Conference: Ignico, Judge, Pierce,

Primmer

Indiana Alliance for Health, Physical Education, Recreation and Dance Leadership Meetings: Ignico, Justin,

Powers

Indiana Athletic Trainers Association: Jutte

Integrative Physiology of Exercise Meeting: S. Trappe, T. Trappe

International Conference of Physical Education and Sports Science: Judge

International Conference on Strength Training: Judge

International Sociology of Sport Association Conference: Judge

ISS Crew Briefing: S. Trappe

Mid-Atlantic Regional Conference: Harber

Midwest American College of Sports Medicine Annual Meeting: Mahon, Nagelkirk, Skalon

Midwest FitFest: Salyer-Funk

Midwest Sport and Exercise Psychology Symposium: Blom

National Association of Advisors for Athletics National Conference: Johnson

National Association of Student Personnel Administration: Johnson

National Athletic Trainers' Association Annual Meeting and Clinical Symposium: Walker, Weidner

National Coaching Educators Conference: Judge

National Consortium for Physical Education & Recreation for Individuals with Disabilities: Burt

National Strength and Conditioning Association: Judge, Pearson

National Webcast ARC IT meeting: Yarger

North American Society for Pediatric Exercise Medicine and the European Group for Pediatric Work Physiology:

Mahon

North American Society for Sport Management Conference: Bussell, Judge

North American Society for the Sociology of Sport: **Bussell** Pre-Tenure Faculty Women Purdue Conference: **Hurley**

Share the Wealth Conference: Ignico, Justin

Southeast Council on Hotel, Restaurant, and Institutional Education Conference: Lee

USA Track & Field: Primmer

Editorial Boards

Judge, L. Techniques Magazine

The Physical Educator

Jutte, L. Athletic Training Education Journal

Kaminsky, L. Journal of Cardiopulmonary Rehabilitation and Prevention

American College of Sports Medicine Health/Fitness Journal

Mahon, A. Pediatric Exercise Science

Research in Sports Medicine

Nagelkirk, P. ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription

Pearson, D. Journal of Strength and Conditioning Research

National Strength and Conditioning Journal

Trappe, S. Journal of Applied Physiology

Medicine and Science in Sports and Exercise

Walker, S. Athletic Training Education Journal

Weidner, T. Journal of Athletic Training

Athletic Training Education Journal

Board of Directors/Trustees

Blom, Committee chair, American Alliance for Health, Physical Education, Recreation, and Dance. (January 2009 - Present).

Blom, Program Faculty Chair/Host, Midwest Sport and Exercise Psychology Symposium: February 2010. Two-day workshop with 55 attendees; two keynote guest speakers; peer-reviewed presentations. (August 2009 - February 2010).

Burt, Vice President Adapted Physical Education, Indiana Association of Physical Education Recreation and Dance. (February 2009 – February 2010).

Blom, Co-Chair, Americans with Disabilities Act Committee for National AAHPERD convention (February, 2009-March 2010)

Judge, Office held, Indiana Association for Health, Physical Education, Recreation, and Dance (IAHPERD) Sport Management Council (SMC). (2010 - 2011).

Judge, Committee chair, AAHPERD Council on Facilities and Equipment (CFE). (2010).

Judge, Office held, National Council on Accreditation of Coaching Education (NCACE). (2010).

Judge, Office held, United State Track and Field (USATF) Coaches Education for Throwing Events. (2010).

Nagelkirk, Committee chair, Awards committee - Midwest American College of Sports Medicine. (January 2009 - December 2010).

Nagelkirk, Conference chair, Annual meeting - Midwest American College of Sports Medicine. (October 2010). Pearson, Committee chair, NSCA Certified Strength and Conditioning Specialist (CSCS) Examination Development Committee. (January 1998 - December 2010).

Reed, Vice President of SEI Corporation, Scuba Educators International, Inc.. (March 2010 - Present).

APPENDIX C: ENROLLMENT SUMMARY

Grand Total Graduate

Major	Major Code	Autumn 10	Spring 11
Physical Education	106A001	106	103
Athletic Training	106M002	69	69
Exercise Science Hlth & Fitns	106M006	143	143
Exercise Science Bsc & App Sc	106M007	163	155
Exercise Science	106M009	47	47
Sport Administration	106M008	160	149
Sport Administration	106M011	113	115
Aquatics	106M010	27	26
Grand Total Majors		828	807
Minor	Minor Code	Autumn 10	Spring 11
Physical Education/Secondary	106L001U	19	11
Wellness, Physical Education Option	106D000U	13	13
Aquatics	106N000U	2	1
Aquatics Opt 1: Teaching	106N012U	17	15
Aquatics Opt 2: Administration	106N006U	8	8
Aquatics Opt 3: Scuba Instructor	106N009U	21	20
Coaching	106M002U	41	34
Sports Medicine	106N010U	75	74
Adapted Physical Activity	106N011U	14	14
Physical Activity Older Adult	107N005U	13	12
Grand Total Minors		223	210
Graduate Major	Major Code	Autumn 10	Spring 11
Physical Education	108G000G	1	1
Physical Education	108L001LGR	4	5
Physical Education	108L005LGR	4	4
Physical Education	108M000MA	1	1
PHD - Human Bioenergetics	108M000PHD	6	6
Sport Psychology	108M007MA	7	6
Sport Psychology	108M027MA	3	3
Exercise Physiology	108M009MS	3	3
Biomechanics	108M011MS	10	10
Coaching	108M013MA	20	24
Coaching	108M021MA	18	29
Sport Performance	108M014MA	15	13
Adm/PE/Sport/High Education	108M019MA	6	8
Adm/PE/Sport/High Education	108M025MA	24	27
Clinical Exercise Physiology	108M020MS	13	12
Teacher Education	108T008MA	2	0
Phys Ed/Sprt(Teacher Educ)	108T022MA	1	1
Crand Total Craduata		120	152

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APPENDIX D: MAJORS, MINORS, MASTERS & PHD COMPLETED PROGRAMS

(Compiled from reports provided by the Director of Systems Technology for Enrollment, Marketing, and Communications in December 2010) (More current data is unavailable at this time):

MAJORS COMPLE	TED PROGRAMS 08/09-09/10		
106A001BA/BS	PHYSICAL EDUCATION	13	19
106M002BS	ATHLETIC TRAINING	12	8
106M006BA/BS	EXERCISE SCIENCE, HLTH & FITNS	22	34
106M007BS	EXERCISE SCIENCE, BSC & APP SC	26	26
106M008BA/BS	EXERCISE SCIENCE, SPORT AD OPT	55	59
106M010BS	EXERCISE SCIENCE, AQUATICS OPT	5	9
MINORS COMPLET	TED PROGRAMS 08/09-09/10		
106N002	COACHING	4	6
106N012	AQUATICS OPT 1: TEACHING	4	1
106N006	AQUATICS OPT 2: ADMINISTRATN	1	4
106N009	AQUATICS OPT 3: SCUBA INSTR	0	0
106N010	SPORTS MEDICINE	12	21
106N011	ADAPTED PHYSICAL ACTIVITY	1	1
107N005	PHYSICAL ACTIVITY-OLDER ADULT	7	4
MASTERS AND PH	ID COMPLETED PROGRAMS 08/09-09/1	0	
108M000PHD	HUMAN BIOENERGETICS	2	3
108M002MA	PHYS ED (ADMIN PHYS ED & ATH)	1	0
108M007MA/MS	PHYS ED (SPORT PSYCHOLOGY)	1	3
108M009MS	EXER SCI (EXERCISE PHYSIOLOGY)	2	1
108M011MS	EXER SCI (BIOMECHANICS)	3	3
108M013MA	PHYS EDUC (COACHING)	37	37
108M014MA	EXER SCI (SPORT PERFORMANCE)	2	3
108M017MA	PHYS ED (SPRT MGMT - OPT 1)	5	0
108M019MA/MS	PHYS ED (ADM/PE/SPRT/HIGH ED)	19	22
108M020MS	EXER SCI (CLIN EXER PHYSIOL)	6	6
108T008MA/MS	PHYS ED (TEACHER EDUCATION)	2	3

APPENDIX E: GRADUATE PROGRAM PROFILES

Biomechanics

- Innovative use of technology in educational settings
 - o All EXSCI 294 classes utilize force plate, motion analysis and electromyography in the classroom to help teach concepts related to understanding human movement.
 - Similar but more advanced experiences are also incorporated into all graduate Biomechanics classes (I.e., EXSCI 634, 651, 652, 655, and multiple sections of 633).
- Successful corporate partnerships
 - The Biomechanics lab has a strong working partnership with Dr. Kayes, an Orthopedic Surgeon at St. Vincent's Hospital in Indianapolis. This partnership affords our students an opportunity to work with clinical populations and apply the concepts and theories they learn in classes and in the lab.
 - We are involved in extending our relationship with the golf pro at the Delaware Country Club to also include the Players Club. The golf service will be further developed and marketed as both a swing and fitness assessment.
- Identify the number of students/faculty engaged in high-quality professional international experiences
- Innovative educational use of technology
 - Tools of Biomechanics are utilized and taught within the classroom at both the undergraduate and graduate level to teach difficult and applied concepts related to understanding human movement.
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research
 paper/creative endeavors within your programs. Provide a summary of how these students have
 contributed to faculty scholarship, community corporate partners, student competitions, student awards,
 including SPESES and external.
 - All of the graduate students in the Biomechanics lab complete theses, of which four are university funded and an additional three are funded on external grants. Beginning in the fall of 2011 the program will be increasing to nine students.
 - o These students are also involved in laboratory research and will be involved in four presentations at national conferences in June and August 2011.
 - Three of the current graduate students in Biomechanics are authors on manuscripts submitted to peer reviewed journals on projects in addition to their thesis. One is the lead author and two are secondary authors.
 - During the current academic year three graduate students applied for and two received ASPiRE funding for their thesis projects.
 - Although not funded one graduate student also applied for funding through the Sigma Xi Scientific Research Society.
 - Three of our seven students have received academic fellowships for their studies at Ball State University.
 - Five Biomechanics students presented their research at the annual student research symposium at Ball State University.
 - To help facilitate the research agendas of the faculty in Biomechanics all graduate students are actively involved in data collection, processing and analysis. From this involvement current and future manuscripts will be submitted for publication in peer-reviewed journals.
 - All of our graduate students are involved in working with clinical patients referred by Dr. Kayes for gait analyses used in surgical decision making.

Athletic Coaching Education

- Innovative use of technology in educational settings
 - Online learning in the ACE program utilizes a wide variety of technologies and different types of media. Most of the online learning is Web-based and takes place through an online campus Web site. The course management system utilized is Blackboard. Some of the courses (ACE 604, ACE 632, and ACE 618) make use of streaming audio and video, where ACE students listen to or even watch a lecture or other resource.
- Successful corporate partnerships
 - o N/A
- Identify the number of students/faculty engaged in high-quality professional international experiences
 - One student (Erin Gilreath) presented in the 7th International Strength Training Conference in Bratislava, Slovakia.

- One student (Elizabeth Wanless) presented at the North American Society for Sport Management Conference in London, Ontario.
- Innovative educational use of technology
 - Tools of Biomechanics (Dartfish software) and applied concepts related to understanding human movement are taught within the ACE 618 *Skills and Tactics* course and the ACE 604 *Physical Preparation and Conditioning* course.
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research
 paper/creative endeavors within your programs. Provide a summary of how these students have
 contributed to faculty scholarship, community corporate partners, student competitions, student awards,
 including SPESES and external.
 - All of the funded graduate students in the ACE program (1) (Erin Gilreath) completed a research paper. This student (Erin) is also involved in research presenting two presentations at the CSRI conference in Chapel Hill, NC and will be involved in two presentations at the NSCA national conference in July.
 - o Four of the current graduate students in ACE are authors on manuscripts submitted to peer reviewed journals on projects in addition to their research papers. One is the lead author and three are secondary authors.
 - During the current academic year, one graduate student applied for and received ASPiRE funding for the CSRI conference.
 - o Although still in review, one graduate student also applied for funding through the National Strength and Conditioning Association.
 - One student received the Korsgaard award for the outstanding graduate student in the school of physical education sport and Exercise Science at Ball State University.
 - One ACE student presented their research at the annual student research symposium at Ball State University.
 - O To help facilitate the research agendas of the faculty in ACE program, the graduate assistant is actively involved in data collection, processing, and analysis. From this involvement current and future manuscripts will be submitted for publication in peer-reviewed journals.
 - All of the ACE graduate students are involved in working as active coaches in junior high school, high school, and collegiate programs throughout the United States.

Graduate Sport Administration

- Innovative use of technology in educational settings
 - o Use of wiki postings in SPTAD 676.
- Successful corporate partnerships
 - o N/A
- Identify the number of students/faculty engaged in high-quality professional international experiences o Faculty presentations at international conferences 11 total.
- Innovative educational use of technology
 - o Sport Administration Facebook Site, Youtube page, and listed on degreeinsports.com (shared with undergrad program ...all created by Dave Pierce).
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research paper/creative endeavors within your programs
 - o Thesis Completion Liz Wanless
 - o Creative Project Completion Breanna Ridgway
 - o Research Paper Completion Julie Longo
- Provide a summary of how these students have contributed to faculty scholarship
 - o Liz Wanless co-author on 9 refereed publications all with Larry Judge
 - o Presented 7 presentations at national and international conferences
 - o Kelly Diamond one presentation at the national level
- Community Corporate Partners NA
- Student Competitions, student awards, including SPESES and external
 - Team of four graduate students (Kelly Diamond, Liz Wanless, David Hanley, Andrew Tuke) competed in the annual College Sport Research Institute Case Study Competition (CSRI) at the College Sport Research Institute national conference in Chapel Hill North Carolina (April, 2011). After two years of winning the competition, this group earned a third place finish.
 - o Liz Wanless earned the Korsgaard Award as the SPESES outstanding graduate student.
 - o The case study team received ASPiRE funding for travel to the case study competition.

Sport and Exercise Psychology

- Innovative use of technology in educational settings
 - o R. Bell uses video conferencing in his Psychology of Injury course.
 - L. Blom attended 3-day workshop (May 2011) for Google Docs and will use this for GA work as well as in graduate courses.
 - L. Blom has attended a training on Jing to record screen shot videos to use in Blackboard online courses.
- Successful corporate partnerships
 - o N/A
- Identify the number of students/faculty engaged in high-quality professional international experiences
 - We typically have faculty who present research at international conventions, but did not have any
 presentations during this last AY.
 - L. Blom has 2 manuscripts in press in an international journal- ICHPER-SD Journal of Research.
- Innovative educational use of technology (see above)
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research or paper/creative endeavors within programs
 - O We currently have 3 university-funded (SPESES) graduate students that are in our program and 1 is scheduled to propose her thesis on May 20, 2011 and the other 2 are in the planning stages of their thesis, with plans to propose in the fall.
 - One student GA from last year (M Halbrook) just had her thesis accepted in a national journal:
 - Halbrook, M., Blom, L. C., Bell, R., Hurley, K., & Holden, J. (in press, Spring 2012). The Relationships among Gender, Individual Motivation Type and Perceived Team Cohesion. *Journal* of Sport Behavior, 35(1).
- Provide a summary of how GAs have contributed to faculty scholarship (GA name bold)
 - o Presentations
 - Blom, L. C., Lape, J., Kirkpatrick, K., Borlee, C., Halbrook, M. (2010, October). "A Review of Research on Spectator Comments at Youth Sporting Events". Paper presented at the Association of Applied Sport Psychology annual meeting, Providence, RI, National.
 - Bell, R., Halbrook, M., & Nahlik, R. (October, 2010). Solution-Focused Guided Imagery as a treatment for the yips. Lecture at the Association of Applied Sport Psychology (AASP).
 Providence, RI.
 - Judge, L., Bell, R., & **Theodore**, **R.** (October, 2010). *Examination of Burnout in Division II Athletes*. Poster Presentation at Association of Applied Sport Psychology (AASP). Providence, RI.
 - Publications
 - Simpson, D., Bell, R., & Flippin, K. (2011). Caddying is timing: An interview with PGA Tour Caddy, *Journal of Excellence*, 14, 93-100.
 - Blom, L.C., Abrell, L., Wilson, M.J., Lape, J., Halbrook, M., & Judge, LW. (in press, June 2011). Working with Male Athletes: The Experiences of American Female Head Coaches. *ICHPER-SD Journal of Research*, 6(1).
 - o Grants
 - GAs assisted with proposal development for L. Blom Department of State Sport for Peace grant, submitted January 2011 for \$212,738 (in review)
 - GA assisted with proposal development for L. Blom Indiana AHPERD Sport for Peace grant, funded May 2011 for \$1850
 - GAs assisting with data collection for L. Blom Hollis Grant Sport for Development and Peace project, funded January 2011 for \$500
 - GA will assist with data collection for Blackford and Portland County Foundation Wellness Camp Grants (Pierce PI, Blom Co-PI) during June 2011, funded Spring 2011 \$4750 and \$3000, respectively
- Community Corporate Partners
 - o Delaware County Football Club (internships and service opportunities)
 - o Indiana Youth Soccer Association (grant partner)
 - o Longfellow Elementary School (grant partner)
 - o Dayspring Center of Indianapolis (grant partner)
- Student Competitions
 - o N/A

- Student Awards, Including SPESES and External
 - o N/A

Sport Performance

Innovative use of technology in educational settings

The program by design has components of on campus and on-line classes. Blackboard is used in both settings along with other social media.

The EXSCI 600 class is an internal internship in the BSU athletic weight rooms (arena and stadium). Various digital testing devices are used in both settings and the students learn both "old school" and technology driven approaches to tests and measurements of athletic performance evaluation.

- Successful corporate partnerships
 - o N/A
- Identify the number of students/faculty engaged in high-quality professional international experiences
 N/A
- Innovative educational use of technology (See Above)
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research paper/creative endeavors within your programs. Provide a summary of how these students have contributed to faculty scholarship, community corporate partners, student competitions, student awards, including SPESES and external.
 - o The program has no graduate assistantships funded by SPESES. However the program currently graduated a McNair Scholar (funded by Graduate School 2 yrs) and has a new McNair Scholar for Fall of 2011 and one committed to BSU for 2012.

Physical Education Teacher Education Program

- Innovative use of technology in educational settings
 - o K. Hurley uses POLAR heart rate and software technology in measurement and assessment courses.
- Successful corporate partnerships
 - o N/A
- Identify the number of students/faculty engaged in high-quality professional international experiences
 - Tammy Burt presented pilot data "Contributing factors to cycling skill retention among children with disabilities" at the National Consortium of Physical Education and Recreation for Individuals with Disabilities, Herndon, VA (July 2010).
 - o Arlene Ignico presented "*Title IX is Alive and Well*" National Share the Wealth Convention, Jekyll Island, GA (January, 2011).
- Innovative educational use of technology (see above)
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research or paper/creative endeavors within programs
 - O Crissy Vetor completed her Master's degree in Summer 2010, is now working on her Ph.D. through Educational Studies and actively involved in POLAR project w/Burris Lab School 5th grade students (on-site mentor Mr. Brian Carr).
- Provide a summary of how GAs have contributed to faculty scholarship (GA name bold):
 - o N/A
- Community Corporate Partners
 - o N/A
- Student Competitions
 - o N/A

CEP Program

- Innovative use of technology in educational settings
 - O All student are exposed and get hands on experience with a wide variety of instrumentation used in the assessment of humans at rest and in response to exercise. These experiences begin in the ES 623 course and are continued in other courses in the curriculum. The CEP program routinely conducts community screenings for body composition, blood lipids, and pulmonary function testing. This allows our students increased opportunity to utilize the technology associated with such devices (ex. Bod Pod for body composition), and to continue their practical skills in phlebotomy.
- Successful corporate partnerships
 - The CEP program has had a working relationship with diaDexus, Inc., South San Francisco, CA on multiple research projects. Three separate research projects have been done with diaDexus providing the biochemical analysis
- Identify the number of students/faculty engaged in high-quality professional international experiences
 - Or. Kaminsky has met with faculty at the University of Worcester, United Kingdom, about some potential research collaborations/student exchanges.
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research paper/creative endeavors within your programs. Provide a summary of how these students have contributed to faculty scholarship
 - o 100% of the graduate students in the CEP program engage in some form of research, be it through their individual thesis projects, or other regular research assignments, as part of their academic experience. Currently, the CEP program has active external grant support funding a collaborative project with IU Health-BMH. All of the CEP students have worked on various aspects of this project.
 - One student was involved in a publication this past year:
 Hargens, T.A., Griffin, D.C., Kaminsky, L.A., Whaley, M.H. The influence of aerobic exercise training on the double product beak point in low-to-moderate risk adults. Eur. J. Appl. Physiol, 111: 313-318, 2011.
 - o In 2010, 4 current/former CEP students presented abstracts at the American College of Sports Medicine National Meeting in Baltimore, MD
 - **Ledden ET**, Hargens TA, **Griffin DC**, and Kaminsky LA. The Influence of Aerobic Exercise on the Double Product Break Point in Low to Moderate Risk Adults. *Med Sci Sports Exerc* 2010; 42(5 Suppl):S550.
 - **Kruckenberg MA**, Kaminsky LA, Hargens TA, and Friesen CA. The Relationships Between Current and Past Physical Activity Participation and Bone Status in a Mixed Menopausal Population. *Med Sci Sports Exerc* 2010; 42(5 Suppl):S180.
 - **Thur LT, Rhodes PG**, Hargens TA, Wegner M, and Kaminsky LA. The Usefulness of Including a Lipoprotein-associated Phospholipase A2 Test in Cardiac Risk Assessments of Women. *Med Sci Sports Exerc* 2010; 42(5 Suppl):S572.
 - Kaminsky L.A., **Cochran H.L.**, Hargens T.A., Strath S.J. Investigation of methods to determine individualized thresholds for moderate and vigorous intensity from accelerometer measurements. Med. Sci. Sports Exerc. 42:S337, 2010.
 - To date in 2011, our current HPL/CEP doctoral student has contributed to 2 presentations at National and International conferences.
 - Kaminsky, L.A., **Ozemek,** C., Hargens, T.A. Comparison of Actigraph GT1M and GT3X in Standardized and Free-living Conditions. International Conference on Ambulatory Monitoring of Physical Activity and Movement, Glasgow, Scotland, UK, May 2011.
 - Hargens, T.A., **Ozemek, C.,** Riggin, K., Stratth, S.J., Kaminsky, L.A. Objective Measures of Physical Activity in Maintenance Cardiac Rehabilitation Patients. American Heart Association, Nutrition, Physical Activity, and Metabolism Conference, Atlanta, GA, March 2011
- Community Corporate Partners
 - O The CEP program has had a long-standing contractual arrangement with the Cardiopulmonary Rehabilitation Dept. at IU Health Ball Memorial Hospital to provide professional services to the program. This contractual arrangement provides the CEP students with invaluable hands-on experience in the clinical exercise physiology arena, working with cardiac, pulmonary, congestive heart failure, and cancer populations. In addition, all CEP students obtain certification in Advanced Cardiac Life Support.
- Student Awards

- Two of the CEP students, Amanda Mallory and Steve Vesbach, applied for, and were awarded with,
 Aspire student research grants (\$500 each) for their thesis research, through the Office of Research and
 Sponsored Programs.
- One CEP student, Erin Ledden, was awarded the Graduate Merit Award for her strong academic record. This award garnered her an additional dollar amount to her GA stipend.

Human Performance Laboratory

- Innovative use of technology in educational settings
 - O The HPL uses cutting edge technology in our research and mentoring of graduate students. This involves novel instrumentation and techniques related to skeletal muscle structure, function, and genetic testing. Whole body measures use some of the latest techniques to assess skeletal muscle health, cardiovascular health, and metabolic health. As a result the students are getting trained on some of the best instrumentation for exercise physiology research in the world.
 - o As part of the research platform students use the latest tools in technology to communicate various educational aspects of the research platform.
- Successful corporate partnerships
 - The HPL (Drs. Scott and Todd Trappe, Dr. Ulrika Raue) has been working with Eli Lilly (Indianapolis, Indiana) on novel biomarker identification on the genomic and proteomic level from human skeletal muscle samples. This relationship has been ongoing for >3 years. We are currently working with the Lilly investigative team to publish a scientific paper from our initial findings.
- Identify the number of students/faculty engaged in high-quality professional international experiences
 - O The HPL is currently collaborating with colleagues from Sweden at Mid Sweden University (Östersund) and Karolinkska Institute (Stockholm) on human clinical exercise physiology (aging). The research platform involves graduate students (n=2) from the HPL Human Bioenergetics Program and students from Sweden and has resulted in international travel for data collection, data analysis, and scientific writing. In addition, HPL graduates students have made scientific presentations at Karolinska Instutue in Stockholm, Sweden. This research is still active and continues to involve graduate students.
- Identify and reflect on the proportion of university-funded graduate students that engage in thesis/research paper/creative endeavors within your programs. Provide a summary of how these students have contributed to faculty scholarship
 - O All of the students in the Human Bioenergetics (PhD) and Exercise Physiology (MS) program are heavily engaged in research that supports the HPL research mission. All students complete a dissertation/thesis and are involved in project development, data collection, data analysis, scientific writing, and scientific presentation at national/international meetings. Annually, the students help produce approximately 15 scientific papers and contribute more than 20 scientific presentations. These are critical elements in disseminating our scientific work and promoting the HPL enterprise. These publications and presentations form the backbone for grant submissions. The faculty lead grants were submitted to NIH, NASA, and corporate sponsors this past year.

• Student Awards

Several students in our program received a travel award (Aspire program) to support travel to present at scientific meetings.

APPENDIX F: GRADUATE ASSISTANT SCHOLARLY ACTIVITIES

*See attachment

APPENDIX G: ACTION PLAN REPORT

Issue/Initiative

Five trends and future directions were mentioned in the self-study: importance of interdisciplinary relationships, certificate programs, experiential/immersive learning, accreditation of academic disciplines, and incorporating technology to enhance student learning. Although we agree that these trends are occurring in the U.S., we did not see specific plans for how the Unit will address these (especially in terms of interdisciplinary relationships), and for guiding programmatic decisions and resource allocations.

Action Plan

Continue Action planning regarding these issues with the tenure-line and contract faculty in the spring and fall, 2011 semesters. Finalize a plan regarding this issue to be fully implemented by end of fall, 2011.

Issue/Initiative

Although academic units must consider carefully the appropriateness of pursuing accreditation for every program, the sport management program may benefit from national accreditation or at least a comparison with national standards.

Action Plan

Program accreditation for undergraduate sport management programs is brand new. In fall, 2010 the first 2 programs were accredited by the Council on Sport Management Education (COSMA). So at this time there are a total of 2 institutions with accreditation. Currently most programs are not pursuing accreditation as long as the well-respected programs are not being accredited. To our knowledge only the small teaching institutions seem to be pursuing accreditation. However, comparison with COSMA standards can be completed in spring, 2011. In the meantime, our undergraduate Sport Administration program is the first (and only) stand-alone sport management program recognized by the Indiana Commission on Higher Education.

Issue/Initiative

There was a general acknowledgement that students in SPESES are not completing their degrees in a four-year period (average is 4.53 years). It was also noted that there is a University trend to lower the graduation credit-hour requirement from 126 to 120. There is agreement that some courses within a major might be combined/integrated, and directed electives might also be reduced. It was noted that there could be considerable instructional cost-savings in reducing credit-hours and value in reviewing all courses in all programs.

Action Plan

Comprehensive curriculum review will be required of all programs using a template designed for the purpose. This activity will occur primarily during the 2011-2012 academic year, with plans finalized by the end of the spring, 2012 semester.

Issue/Initiative

Development of clinical and research tracks within the Master's level Biomechanics program could serve as stepwise progression into a doctoral program.

Action Plan

Biomechanics faculty will be requested to consider the merits of two separate tracks within the graduate program. If recommended, resources will need to be described. Activity to be completed by end of fall semester, 2011.

Issue/Initiative

There is general acknowledgement that our students' writing skills need improvement. Consideration needs to be given to incorporating writing skills training into existing discipline-specific courses.

Action Plan

Incorporating writing skills training will be required of all programs using a matrix designed for the purpose. This activity will occur during spring semester, 2011. Plans will be implemented during the 2011-2012 academic year.

Undergraduate Writing Development Across the Curriculum (draft)

Writing skills are important across all SPESES undergraduate programs. The guidelines listed below should be implemented into the curricula, guided by individual program matrices.

Require students to do research-based reading and writing.

- Give students thoughtful and constructive feedback on their writing, style as well as content. Distinguish between comments on writing and comments on content.
- Use peer critiques.
- Establish writing expectations for each course in the program (include in course outlines). Require students to use the same reference format throughout the curriculum (e.g., APA, AMA).
- Require thorough writing assignments, and give generous feedback on them.

Issue/Initiative

With its current understanding, general consensus is that the faculty does not believe they would get return on investment by joining the American Kinesiological Association (AKA). Discovery will be continued.

Action Plan

An ad hoc committee will be formed in the spring semester, 2011 to explore cost-benefits of joining the AKA. Results will be presented to the faculty for discussion in the fall semester, 2011.

Issue/Initiative

Many of the faculty would like a name change of the School. However, most believed School of Kinesiology would not be suitable as the name does not incorporate the plethora of programs SPESES has to offer (e.g., Sport Administration).

The movement to unify the disciplines of Kinesiology as an overarching academic field of study may not be something we want to contribute to/encourage at this time. The consideration of a name change is also not important enough to prioritize at this time.

Action Plan

From work presented by an ad hoc committee mentioned above, a more informed decision regarding the name of the School can be considered.

Issue/Initiative

There is general agreement that while the School may not have core courses that all majors take, there were a number of courses in most majors that shared content/concepts. Rather than create a common core curriculum there was more interest in identifying the core subject matter that unifies program offerings (consistent with American Kinesiology Association white paper). As part of exploring curriculum revisions within the School's programs (with interest in creating cost-saving efficiencies), a common core of subject matter needs to be identified and incorporated.

Action Plan

Considered a common core of subject matter with the faculty during the spring semester, 2011. Will be required of all programs using a matrix designed for the purpose. This activity will occur during spring semester, 2011. Plans will be implemented during the 2011-2012 academic year.

Core subject matter that unifies program offerings:

Primary Content/Concepts/Skills

Principles and experiences focused on physical activity across the lifespan (including for diverse populations). These include:

- Physical activity in health, wellness, and quality of life
- Scientific foundations of physical activity
- Cultural, historical and philosophical dimensions of physical activity
- The practice of physical activity

Secondary Content/Concepts/Skills

- Basic understanding of research (e.g. Evaluate sources, Library function, how to get started, Basic online search skills)
- Technology (computer and otherwise)
- Written and oral presentation skills
- professional etiquette and Job search skills (cover letter, resume, interview)
- Group Dynamics (leadership and manager skills)
- Risk Management
- Core professional behaviors and competencies

Issue/Initiative

There are plans to attempt to revive the masters program in physical education. There is a goal of eight funded GA positions over the next five years. \$120,000 of external funding has been obtained so far towards these graduate assistantships. There are some additional obstacles to overcome if the program is to be successful. Teachers

holding master degrees are not desirable to many school districts for entry level positions because of the higher salaries that must be paid. In addition, although the State of Indiana does require that teachers update their licenses, many teachers only take the minimum of six hours every three years. It will be necessary to formulate a strategy to encourage these students to continue until their masters' degree is completed. Marketing of the program will also need to be improved. Information regarding course offerings will need to go out to the school systems earlier. Advertising at conferences or through direct mailings is also suggested. Another obstacle is the lack of faculty to teach graduate courses. Suggestions in this regard are to offer more on-line courses and to consider revamping the course offerings at both the undergraduate and graduate level.

Action Plan

The physical education-Teacher Education faculty will be requested to convene to address the above issues (and consider others). If recommended, resources will need to be described. Activity to be completed by end of fall semester, 2011.

Issue/Initiative

The Aquatics major does not seem to fit with the goal of an undergraduate liberal arts-oriented curriculum. It appears to be more vocationally or job-training oriented than educationally focused. As resources become strained, the School should consider keeping this as a minor rather than a full-fledged major.

Action Plan

A retreat for the Aquatics faculty was held in retreat in spring, 2011 to review these programs of study and efficiencies determined. A final report/recommendations will be due in the fall semester, 2011.