University-wide Research

Assessment Report
2010-2011

Mission/Purpose
As part of its overall mission, the University of West Alabama encourages faculty to be "committed to providing leadership and fostering positive growth throughout West Alabama through research and public service, with primary emphasis on that which meets the educational, social, cultural, and economic needs of the region.” Although primary emphasis may be placed on the immediate region, the University encourages applied and pure research that furthers the knowledge base of a faculty member's discipline and results in publications, presentations, and/or papers as well as research leading to grant proposals in coordination with the Office of Sponsored Programs. Moreover, faculty are encouraged to engage students in research opportunities when appropriate in order to enrich the students’ academic experience. Research leading to publication, presentations, and/or papers or to grants is one of the assessment criteria considered in the promotion and tenure of faculty.

I. Goals and Outcomes/Objectives, with Any Associations and Related Measures, Achievement Targets, Findings, and Action Plans

A. Goal: Address the educational, social, cultural, and economic issues of the region
Address the major educational, social, cultural, and economic issues of the region and in doing so promote a positive image of the institution and the area.

1. Objective: Educational research
Faculty will participate in and seek funding for research that addresses the educational needs of the region, including projects that allow students to engage in research.

a. Associations:
   Strategic Plans:
   2 Mission:
   To provide opportunities for students to pursue a quality education and assist in developing the important qualities of independent thinking, respect for the ideas of others, personal integrity and character in order to realize their quests for a philosophy of life and self-fulfillment
   9.1 Address the major educational, social, cultural, and economic issues of the region and in doing so promote a positive image of the institution and the area

b. Measure: Research impacting educational needs
Researchers will conduct research aimed at improving teaching skills, increasing knowledge of particular course subject matter, and/or otherwise impacting the educational needs of the region.

Source of Evidence: Administrative measure - other

1. Achievement Target:
   Research efforts will lead to publication, presentation, scholarly papers, or services/projects.
2. Findings (2009-2010) - Achievement Target: Partially Met

Department of Instructional Leadership and Support:
Scholarly Research
Nine research studies by five different faculty members were conducted. Topics included stress management, online education, leadership activities, faculty involvement, administration, secondary and higher education partnerships, and technology's role in communication with parents.

Publications
Three professional articles by three faculty members were published in three publications.

Presentations
Five faculty members made six presentations at six conferences.

Department of Curriculum and Instruction
Scholarly Research
Thirteen research studies by four faculty members were conducted. Topics included expanding literacy through technology, science homework and parental involvement, traumatic events protocols for educators, and positive discipline and guidance.

Publications
Three professional articles by one faculty member were published in three publications.

Presentations
Four faculty members made nine presentations at eight conferences.

Department of Physical Education and Athletic Training
Scholarly Research
Twenty-five research studies by seven different faculty members were conducted. Topics included "connecting movement with learning," enhancing holistic education and resource training, athletic training as a career and the changing profession of athletic training.

Publications
One faculty member co-authored a textbook titled Kinesiology for Manual Therapies, published by McGraw-Hill, and created a DVD demonstration to accompany another published textbook.

Presentations
Six faculty members made twenty presentations at twelve conferences.

Department of Biological and Environmental Sciences
Scholarly Research
Eight research studies by two faculty members were conducted. Topics included microbes from professors’ shoes, water quality monitoring, determining the genera and species of bacteria, and mitochondrial variations in genetics. Eight students assisted in the research.

Presentations
Two faculty members made eight scholarly presentations at three conferences.

Department of Business Administration, Management and Marketing
Scholarly Research
Six research studies by two faculty members were conducted. Topics included enhancing student learning outcomes, using collaborative multi-classes to solve business cases and communication essentials.
Presentations
One faculty member made three presentations at three conferences.

Department of Accounting, Finance and Economics
Scholarly Research
Ten studies by three faculty members were conducted. Topics included using collaborative multi-classes to solve business cases, revamping the senior seminar class experience, and providing income tax assistance programs.

Publications
Three professional articles by one faculty member were published.

Presentations
Three faculty members made six presentations at four conferences.

Department of Computer Information Systems and Technology
Scholarly Research
One study was conducted by a faculty member on "Infantry News: Cyber Attacks Threaten Personal Security."

Publications
One article was submitted to a publication.

Department of Languages and Literature
Scholarly Research
One study was conducted by a faculty member. Topic is education and literature.

Publication and presentation
One scholarly paper was presented at a conference.

Julia Tutwiler Library
Scholarly Research
One research study was done by a staff member. The topic is "Developing an International Perspective in Academic and K-12 Libraries."

Presentation
Research was presented at a conference.

TOTAL FOR 2009-2010
Scholarly Research = 74
Publications = 13
Presentations = 54

3. Supporting Document:
   • University Research Map 2009-2010

4. Findings (2010-2011) - Achievement Target: Partially Met

   Department of Instructional Leadership and Support:
   Scholarly Research
Fifty-nine research studies by ten different faculty members were conducted. Topics included the school library as a safe haven for students, Skype, Praxis exam study sessions, administration, teacher effectiveness, partnership between P12 schools and universities, bullying, Tegrity, online programs, stress management, and academic integrity.

Publications
Six professional articles by four different faculty members were published in five publications.
Presentations
Eight faculty members made thirty-two presentations at twenty conferences.

Department of Curriculum and Instruction
Scholarly Research
Eighty-one research studies by eleven faculty members were conducted. Topics included teacher effectiveness, effective ways to teach mathematics, Hurricane Katrina: teaching traumatized children, an overview of special education, literacy through technology, collaboration, and identifying and teaching students with different learning styles.

Publications
Thirteen professional articles by seven faculty members were published in nine publications.

Presentations
Ten faculty members made forty-five presentations at twenty-four conferences.

Department of Physical Education and Athletic Training
Scholarly Research
Twenty-one research studies by seven faculty members were conducted. Topics included shoulder anatomies and injuries, reducing relocations, eating right in college, and resource information for physical educators.

Publications
One faculty member submitted a professional article to a publication.

Presentations
Three faculty members made eleven presentations at nine conferences.

Department of Mathematics
Scholarly Research
Twenty-three research studies by seven different faculty members were conducted. Topics included quiver algebra, tutoring students in mathematics, fuzzy nonlinear optimization, hyperbolic telegraph equations, language in mathematics, and online programs in mathematics.

Publications
Five professional articles by two faculty members were published in four publications.

Presentations
Two faculty members made three presentations at three conferences.

Department of Biological and Environmental Sciences
Scholarly Research
Forty-two research studies by nine faculty members were conducted. Topics includes determining sources of E. coli pollution in Dry Creek, Alabama, the flora of Alabama in the 21st century, and comparative genomics of environmental stress responses in North American hardwoods. Five students assisted in the research.

Publications
Eight professional articles by five faculty members were published in five publications.

Presentations
Three faculty members made three presentations at three conferences.

Department of Physical Sciences
Scholarly Research
Twenty research studies by five faculty members were conducted. Topics included development of novel green chemistry experiments for undergraduates, a study of protein structure and conformational changes caused by chemical modification and structural biology. One research study and paper by one student was conducted. The topic is "Development of an Undergraduate Chemistry Experiment to Determine the Pinene Content in Wood Samples."

**Publications**
Three professional articles by three faculty members were published in two publications.

**Presentations**
Three faculty members presented three presentations at two conferences.

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**Department of Business Administration, Management and Marketing**

**Scholarly Research**
Thirteen research studies by three faculty members were conducted. Topics included student learning projects, economic development and sustainment, service learning, and using simulations successfully for interactive learning.

**Publications**
One professional article was published.

**Presentations**
Three faculty members made eight presentations at six conferences.

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**Department of Accounting, Finance and Economics**

**Scholarly Research**
Six studies by three faculty members were conducted. Topics included student learning projects, criminal justice theories, legal research, and administering income tax assistance.

**Presentations**
Three faculty members made four presentations at four conferences.

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**Department of Computer Information Systems and Technology**

**Scholarly Research**
Three studies were conducted by two faculty members. Topics included preventing online cheating with technology, safe dams, and a comparative analysis of Praxis exam scores between online and traditional graduate students at an Alabama institution of higher learning. Five students were involved with the research for one presentation.

**Publications**
Two articles were published by two faculty members. One doctoral dissertation was accepted. One faculty member and five students have an article awaiting publication.

**Presentations**
One faculty member and five students conducted a presentation; publication of article pending.

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**Department of Fine Arts**

**Scholarly Research**
Five studies were conducted by two faculty members. Topics included direction and production of *Almost Maine*, performance of *The Exonerated*, and coordinator of the University’s 1st African-American History/Cultural Diversity Program.

**Presentations**
One faculty member produced and directed three dramatic presentations. One faculty member coordinated two musical performances.
Department of Languages and Literature  
**Scholarly Research**  
Four studies were conducted by three faculty members. Topics included "Crime, Fiction, and the Critique of (Post) Modern Society," technology enhanced student learning, and "Vonnegut's Unrealized Crusade: A Reflection upon the 40th Anniversary of Vonnegut's Cautionary Anti-War Tale *Slaughter House Five*."

**Publications and Presentations**  
Three faculty members presented four papers at four conferences.

Student Support Services  
**Scholarly Research**  
Four research studies by two staff members were conducted. Topics included counseling services for online students, comparison of self-efficacy and resilience with students, and counseling strategies publications.

**Presentations**  
One staff member made a presentation at two conferences.

Division of Online Programs  
**Scholarly Research**  
Thirty-seven different topics were researched by ten online faculty members and included topics such as using video and hypertext media to improve K-8 science teacher knowledge, using an online simulation to promote conceptual learning, engaging 9/11 as a learning event, and “The Effect of Distance Education Lecture Format on Student Application.”

**Publications**  
Sixteen articles and one book chapter were authored by seven online faculty members.

**Presentations**  
Twenty-one presentations at conferences were made by nine online faculty members.

Division of Educational Outreach  
**Scholarly Research**  
Eight research projects were conducted by five staff members. Topics included longleaf pine, analysis of bricks and clays associated with the nineteenth century McIlhenny Tabasco Sauce Factory on Avery Island, Louisiana, Alabama Rivers, and the Civil War.

**Publications**  
Six publications authored by five members of the staff included topics such as “The Day the Meteorite Fell in Sylacauga,” “Headwaters: A Journey on Alabama Rivers,” “The Snout of Halisaurus Platyspondylus Marsh 1869: Phylogenetic and Functional Implications,” “The Civil War through the Lens of an Adolescent,” “The University of West Alabama: An Overview,” and “Bridging Time: 175 Years at the University of West Alabama.” One staff member is writing a book on the Fire Forest and a definitive paper on the fall of the 1954 Hodges Meteorite.

**Presentations**  
Two professional presentations were made by two staff members.

**TOTAL FOR 2010-2011**  
**Scholarly Research = 326**
5. **Supporting Document:**
   - University Research Map 2010-2011

c. **Measure: Acquire funding for research in all areas**

Individuals will seek funding in order to conduct research that leads to further study and/or projects/services. Research conducted will have primary emphasis placed on subjects that identify or meet the educational, social, cultural, and economic needs of the region. The Office of Sponsored Programs will assist faculty and staff in submitting grant proposals for external funding. Internal grant programs such as the Teaching Excellence Grants, Service Learning Grants, and University Research Grants will provide some internal funding for research.

Source of Evidence: Administrative measure - other

1. **Achievement Target:**
   Secure funding for educational research and related projects.

2. **Findings (2009-2010) - Achievement Target: Partially Met**

   In 2009-2010, the College of Education faculty received $1,057,534.00 for two grants specifically targeting instruction and academic support from the U. S. Department of Education. External funding by the Center for Civic Education was also received by faculty in the College of Education totaling $27,750.00. Student Support Services also received funding from the U. S. Department of Education for instruction and academic support for $347,834.00. College of Business faculty and College of Liberal Arts faculty received three grants from the Alabama Legislature, Alabama Press Association, and Phi Kappa Phi National Headquarters with funds equaling $62,974.00. Internal funding for research related to meeting the educational needs of the region is provided by the Service Learning Grants program and included a "Learning through Literature" proposal that was funded in the amount of $400.00. Another internal funding source is the Teaching Excellence Program. This program funded seven proposals for a total of $6,058.00. Grants funded through the Teaching Excellence Program included “Job Shadowing Program for Junior and Senior Marketing Specialization Majors” ($250); “Improving Student Performance through Team-Based Learning” ($900); “Modern Teaching Strategies in the Interpersonal and Mass Communication Classroom” ($908); “Enhancing the Teaching of Biochemistry Laboratory Classes” ($1000); “Diamonds in the Rough: Service Learning through Teen Leadership” ($2,000); “Hominin Skulls to Support Education in Biology and Anthropology” ($1000).

   **TOTAL GRANTS = 15; TOTAL FUNDING = $1,502,550.00**

3. **Supporting Documents:**
   - Externally Funded Research and Projects
   - Service Learning Grants 2009-2010
   - Teaching Excellence Grants 2009-2010

4. **Findings (2010-2011) - Achievement Target: Partially Met**

   In 2010-2011, Student Support Services received three externally funded grant extensions from the U. S. Department of Education for academic support and instruction totaling $1,694,232.00. A new grant was funded by the U. S. Department of Education in October 2010 for $250,000. The newly
funded grant was specifically for instruction and academic support. Faculty in
the College of Business received external funding from the National
Headquarters for Phi Kappa Phi in the amount of $2,499.00 for the "Rock ’n
Read Literacy Program.” The College of Education received funds from the
U. S. Department of Education and the Center for Civic Education equaling
$32,750.00. Internal funding through the Service Learning Grants program
provided $1,000 for a proposal entitled "MPR (Mathematics and Primary
Reading Tutorial).” A second internal funding source to facilitate faculty-
generated research is the Teaching Excellence Grant Program. This program
funded seven additional proposals for $6,699.68. Grants funded included
“2011 American Tax Association Mid-Year Meeting and JATA” ($1000);
“Enhancing Faculty-Student Relationships through Virtual Office Hours”
($1000); “Enhancing the Teaching of Basic Chemical Mechanisms of
Electron Pushing in Organic Classes by Lewis Structure Approach”
($998.68); “2011 NATA Athletic Training Educators’ Conference: Educate,
Lead, Advocate” ($1000); “2011 NATA Athletic Training Educators’
Conference: Educate, Lead, Advocate” ($1000); “2011 NATA Athletic
Training Educators’ Conference: Educate, Lead, Advocate” ($1000); “ISTE
2011 Model Classroom Presentation” ($701).
TOTAL GRANTS = 15; TOTAL FUNDING = $1,987,180.68

Funding for research and projects impacting the educational needs of the
region increased by 25% or $484,630.68 from 2009-2010 to 2010-2011.

5. Supporting Documents:
- Externally Funded Research and Projects
- Service Learning Grants 2010-2011
- Teaching Excellence Grants 2010-2011

2. Objective: Economic research
Faculty and/or students will generate studies and conduct research to impact the
economic needs and/or economic development of the region.

a. Associations:
Strategic Plans:
2 Mission:
To provide opportunities for students to pursue a quality education and assist in
developing the important qualities of independent thinking, respect for the ideas
of others, personal integrity, and character in order to realize their quests for a
philosophy of life and self-fulfillment
9.1 Address the major educational, social, cultural, and economic issues of the
region and in doing so promote a positive image of the institution and the area

b. Measure: Research on economic issues of the region
Researchers will design and conduct projects that may lead to publication,
presentations, and/or scholarly papers regarding the economic needs and/or
development of the region.

Source of Evidence: Administrative measure - other

1. Achievement Target:
Research efforts will lead to publication, presentation, scholarly papers, or
services/projects.
2. **Findings (2009-2010) - Achievement Target: Partially Met**

**Department of Business Administration, Management and Marketing**

**Scholarly Research**
A Business Administration, Management and Marketing faculty member submitted the research project titled "Demopolis Higher Education Center."

**Presentations**
One faculty member presented a scholarly presentation at a conference.

**Department of Accounting, Finance and Economics**

**Scholarly research**
One faculty member conducted a research project. Topic is income tax assistance.

**Presentations**
One faculty member coordinated an income tax assistance program for the region.

**TOTAL FOR 2009-2010**
- Scholarly Research = 2
- Publications = 0
- Presentations = 2

3. **Supporting Document:**
- University Research Map 2009-2010

4. **Findings (2010-2011) - Achievement Target: Partially Met**

**Department of Biological and Environmental Sciences**

**Scholarly Research**
A faculty member submitted the research project titled "Measuring marsh plant productivity and micro-, meio-, and macrofaunal abundance and diversity in response to oiling in a Northern Gulf of Mexico salt marsh."

**Presentations**
A faculty member made one scholarly presentation at a conference.

**Department of Business Administration, Management and Marketing**

**Scholarly Research**
Two research projects were conducted by two faculty members. Topics: "Economic Development and Sustainment” and the Center for Business and Economic Services.

**Presentations**
Two faculty members made two scholarly presentations at two conferences.

**Department of Computer Information Systems and Technology**

**Scholarly Research**
One faculty member conducted a research project. Topic: "Energy Economics: A Benefit-Cost Consideration of Corn-Based Ethanol and Bio-Fuel."

**Publications**
One faculty member wrote an article that was published.

**Department of Accounting, Finance and Economics**

**Scholarly research**
One faculty member conducted a research project. Topic: income tax assistance.

**Presentations**  
One faculty member coordinated an income tax assistance program for the region.

**TOTAL FOR 2010-2011**  
- Scholarly Research = 5  
- Publications = 1  
- Presentations = 4

5. **Supporting Document:**  
   - University Research Map 2010-2011

c. **Measure: Acquire funding for research in all areas**  
Individuals will seek funding in order to conduct research that leads to further study and/or projects/services. Research conducted will have primary emphasis placed on subjects that identify or meet the educational, social, cultural, and economic needs of the region. The Office of Sponsored Programs will assist faculty and staff in submitting grant proposals for external funding. Internal grant programs such as the Teaching Excellence Grants, Service Learning Grants, and University Research Grants will provide some internal funding for research.

Source of Evidence: Administrative measure - other

1. **Achievement Target:**  
   - Secure funding for studies on the economic needs of the region. Secure funding for research that may lead to projects and/or services that can impact the economic development of the region.

2. **Findings (2009-2010) - Achievement Target: Partially Met**  
   In 2009-2010, the College of Business received extended funding from the Small Business Association for the Regional Center for Community and Economic Development. The total amount awarded for the four year period of time for the grant will be $345,530.00 and will continue until 12/30/11. Faculty from the College of Business also received funding for a tax prep service through the United Way of Central Alabama for $3,140.00. The Physical Plant received extended funding from the Alabama Department of Transportation for the Transportation Enhancement Program. The grant will continue until 9/30/11 for a total of $224,107.00. The Division of Outreach Services received a Sumter County School System transportation grant for one year totaling $64,212.00. The Demopolis Center for Higher Education received funding through the U. S. Department of Labor in the amount of $66,000.00.

**TOTAL GRANTS = 5; TOTAL FUNDING = $702,989.00**

3. **Supporting Document:**  
   - Externally Funded Research and Projects

4. **Findings (2010-2011) - Achievement Target: Partially Met**  
   During 2010-2011, funding was extended for the Regional Center for Community and Economic Development and the Transportation Enhancement Program. The total amount for the two grants through their funding cycle will be $569,637.00. The Division of Outreach Services
received funding from the Federal Highway Administration for $52,800.00 as well as $23,280.00 in funding from the University of Alabama for a Small Business Jobs Act Program. Faculty from the College of Business received funding for tax prep services in the amount of $3,140.00 from the United Way of Central Alabama. Two grants from the Alabama Department of Education and the United Student Aid Funds totaling $44,997.00 to impact student financial aid.  

**TOTAL GRANTS = 7; TOTAL FUNDING = $653,354.00**

Although total funding amounts decreased from by $49,635.00 from 2009-2010 to 2010-2011, the number of funded proposals increased from five to seven in the year.

5. **Supporting Document:**
   - Externally Funded Research and Projects

3. **Objective: Social research**
   Faculty and/or students will conduct research on regionally relevant social issues.

   a. **Associations:**
      **Strategic Plans:**
      2 Mission:
      To provide opportunities for students to pursue a quality education and assist in developing the important qualities of independent thinking, respect for the ideas of others, personal integrity and character in order to realize their quests for a philosophy of life and self-fulfillment
      9.1 Address the major educational, social, cultural, and economic issues of the region and in doing so promote a positive image of the institution and the area

   b. **Measure: Research on regionally relevant social issues**
      Researchers will implement studies on regionally relevant social issues leading to publication, presentations, and/or papers.

      Source of Evidence: Administrative measure - other

1. **Achievement Target:**
   Research efforts will lead to publication, presentation, scholarly papers, or services/projects.

2. **Findings (2009-2010) - Achievement Target: Partially Met**
   **Department of Behavioral Sciences**
   **Scholarly Research**
   Eight research projects were conducted by three faculty members. Topics included the effects of social exclusion and social acceptance on depression, reducing misanthropic recall through self-awareness, improving intergroup relations, and challenges and opportunities for sociology problems. One student conducted independent research that led to publication.

   **Publications**
   Three articles were published by a faculty member. One faculty member co-authored a book.

   **Presentations**
   Two faculty members made three scholarly presentations.

   **Department of Languages and Literature**
   **Scholarly Research**
Two research projects by one faculty member were conducted. Topics included "Men, Women, and Sports: Revisited" and "The Relationship of Team Cohesion on Performance among Collegiate Athletic Teams Competing in Coactive Team Sports.”

**Publications and Presentations**
Two scholarly papers were presented by a faculty member at two conferences.

**Department of Physical Education and Athletic Training**

**Scholarly Research**
One project was conducted by a faculty member. Topic is stretching and flexibility.

**Presentations**
One faculty member made a scholarly presentation to a local organization.

TOTAL FOR 2009-2010
Scholarly Research = 12
Publications = 6
Presentations = 6

3. **Supporting Document:**
   - University Research Map 2009-2010

4. **Findings (2010-2011) - Achievement Target: Partially Met**

**Department of Behavioral Sciences**

**Scholarly Research**
Twenty research projects were conducted by four faculty members. Topics included bias in voting behavior, emotional reactions to intergroup threats, psychopharmacology, and families in society. Twenty-three students assisted in eight of the projects. One student conducted independent research that led to publication. Two of the twenty projects are still in progress.

**Publications**
One doctoral dissertation and six articles were published. Four manuscripts are being prepared and one is in press.

**Presentations**
One independent student-led research project led to a professional presentation. Two faculty members made six professional presentations.

**Department of History and Social Sciences**

**Scholarly Research**
Nine research projects were conducted by two faculty members. Topics included historically significant decisions of the United States Court, voting rights activism in 1890s Mississippi, and family homes in the Black Belt. One student assisted in a project.

**Publications**
Two books were published by one faculty member. Two articles were published and two articles are forthcoming.

**Presentations**
One faculty member made two scholarly presentations.

**Department of Languages and Literature**

**Scholarly Research**
Six research projects were conducted by a faculty member. Topics included female athletes and appearances, female sports, the effects of race and the
severity of criminal activity on audience perceptions of athletes, and gender cues in televised sports.

Publications
Two articles by one faculty member were published.

Presentations
One faculty member made four scholarly presentations.

Department of Accounting, Finance and Economics
Scholarly Research
Four research projects were conducted by one faculty member. Topics included community relations for foreign companies in the U.S., effects of college football games on enrollment, retention, and academic performance, and the business of criminal justice.

Publications
Four scholarly papers were written.

Department of Business Administration, Management, and Marketing
Scholarly Research
Four research projects by three faculty members were conducted. Topics included economic development, breaking the cycle of illiteracy, and development of the Center for Business and Economic Services.

Presentations
Three faculty members made three scholarly presentations at three conferences.

TOTAL FOR 2010-2011
Scholarly Research = 44
Publications = 18
Presentations = 16

5. Supporting Document:
• University Research Map 2010-2011

c. Measure: Acquire funding for research in all areas
Individuals will seek funding in order to conduct research that leads to further study and/or projects/services. Research conducted will have primary emphasis placed on subjects that identify or meet the educational, social, cultural, and economic needs of the region. The Office of Sponsored Programs will assist faculty and staff in submitting grant proposals for external funding. Internal grant programs such as the Teaching Excellence Grants, Service Learning Grants, and University Research Grants will provide some internal funding for research.

Source of Evidence: Administrative measure - other

1. Achievement Target:
Secure funding for research on regionally relevant social issues as well as funding for projects or services that result from research and grant proposals.

2. Findings (2009-2010) - Achievement Target: Partially Met
In 2009-2010, the College of Liberal Arts received external funding through the U. S. Department of Justice for a four-year grant to provide research on rural methamphetamine use and educational services to local law enforcement. The total funded amount for the four-year period is $187,060.00. Internal funding through the University of West Alabama
Service Learning Grants program was provided for two proposals. "The Voices of Sumter County: We Hear Them All" and "WISE GEMS for Service Learning at the University of West Alabama" were funded for a total of $2,000.00.
TOTAL GRANTS = 3; TOTAL FUNDING = $189,060.00

3. Supporting Documents:
- Externally Funded Research and Projects
- Service Learning Grants 2009-2010
- Teaching Excellence Grants 2009-2010

4. Findings (2010-2011) - Achievement Target: Partially Met
During 2010-2011, a faculty member in the College of Education received funding from the Alabama Strategic Alliance for Health in the amount of $5,000.00 for research and services surrounding holistic education and resources. Funding from the U. S. Department of Justice for the four year study on methamphetamine use and educational services was extended. The grant totals $187,060.00 for the full funding cycle through 6/30/11. The Division of Online Programs received funding in the amount of $15,960.00 from the Alabama Department of Rehabilitation Services to research and provide mental health counseling services to online students. Internal funding through the Service Learning Grants program equaled $1,970.00 and included "Establish UWA Toastmasters International Community Club" and "WISE GEMS of UWA Service Learning Project."
TOTAL GRANTS = 5; TOTAL FUNDING = $209,990.00

With the help of the Office of Sponsored Programs, the number of grants funded for research and projects impacting regionally relevant social issues increased from three to five and total funding increased by $20,930.00 from 2009-2010 to 2010-2011.

5. Supporting Documents:
- Externally Funded Research and Projects
- Service Learning Grants 2010-2011
- Teaching Excellence Grants 2010-2011

4. Objective: Cultural research
Faculty and/or students will design and implement research on the region in order to impact and increase cultural awareness.

a. Associations:

   Strategic Plans:
   2 Mission:
   To provide opportunities for students to pursue a quality education and assist in developing the important qualities of independent thinking, respect for the ideas of others, personal integrity, and character in order to realize their quests for a philosophy of life and self-fulfillment
   9.1 Address the major educational, social, cultural, and economic issues of the region and in doing so promote a positive image of the institution and the area

b. Measure: Research impacting cultural awareness of the region
Research proposals will be designed and implemented by faculty and/or students to impact and increase cultural awareness within the region.
Source of Evidence: Administrative measure - other

1. **Achievement Target:**
   Research efforts will lead to publication, presentation, scholarly papers, or services/projects.

2. **Findings (2009-2010) - Achievement Target: Partially Met**
   **Department of Languages and Literature**
   **Scholarly Research**
   Four research projects were conducted by one faculty member.
   **Publications**
   One book by one faculty member was published. One scholarly paper was written for a presentation.
   **Presentations**
   One faculty member made three scholarly presentations at three conferences.

   **Department of History and Social Sciences**
   **Scholarly Research**
   Three research projects were conducted by three faculty members.
   **Presentations**
   Three faculty members made three scholarly presentations at three conferences.

   **Department of Fine Arts**
   **Scholarly Research**
   Seven research projects were made by three faculty members.
   **Presentations**
   One faculty member made four musical presentations. Two faculty members exhibited three artistic shows.

   **TOTAL FOR 2009-2010**
   Scholarly Research = 14
   Publications = 2
   Presentations = 13

3. **Supporting Document:**
   - University Research Map 2009-2010

4. **Findings (2010-2011) - Achievement Target: Partially Met**
   **Department of Languages and Literature**
   **Scholarly Research**
   Seven research projects were conducted by two faculty members.
   **Publications**
   Five books were published by a faculty member.
   **Presentations**
   Two faculty members made scholarly presentations.

   **Department of History and Social Sciences**
   **Scholarly Research**
   Fifteen research projects were conducted by four faculty members.
   **Publications**
   Four articles were published by two faculty members. One faculty member published two books.
Presentations
Four faculty members made seven scholarly presentations at four conferences.

Department of Fine Arts
Scholarly Research
Thirteen projects were conducted by four faculty members. Topics included music composed for preparation of Carnegie Hall performance, production and direction of Almost Maine, Intimate Apparel, and The Exonerated, Drawing on Alabama, Summer Craft Gallery, and Two by Two: Small Scale Ceramics Biennial.

Presentations
One faculty member researched and prepared for a performance at Carnegie Hall. One faculty member produced and directed three dramatic productions. One faculty member exhibited five artistic shows. One faculty member composed and directed two musical productions.

Division of Educational Outreach
Scholarly Research
Fourteen topics were researched by five different staff members in the Division of Educational Outreach.

Publications
Seven publications were authored by three different staff members and included topics such as the history of the University of West Alabama.

Presentations
Seven professional presentations were made by staff members. Topics included a commemorative lecture and discussion of the 180th Anniversary of the Treaty of Dancing Rabbit, archaeological research at colonial Fort Tombecbe, “Photohistoric Pan-Southeastern Revitalization: Theory and Context,” and “Bringing Partners to the Table: Alabama’s Black Belt Heritage Area.”

TOTAL FOR 2010-2011
Scholarly Research = 49
Publications = 18
Presentations = 27

5. Supporting Document:
   • University Research Map 2010-2011

c. Measure: Acquire funding for research in all areas
   Individuals will seek funding in order to conduct research that leads to further study and/or projects/services. Research conducted will have primary emphasis placed on subjects that identify or meet the educational, social, cultural, and economic needs of the region. The Office of Sponsored Programs will assist faculty and staff in submitting grant proposals for external funding. Internal grant programs such as the Teaching Excellence Grants, Service Learning Grants, and University Research Grants will provide some internal funding for research.

Source of Evidence: Administrative measure - other

1. Achievement Target:
   Secure funding for cultural research proposals and projects that result from the research related to proposals.
2. **Findings (2009-2010) - Achievement Target: Partially Met**

   In 2009-2010, external funding for seven grants was obtained by faculty and staff. Grants were funded by the National Endowment for the Humanities, Shelton State Community College, the Alabama Department of Transportation, Tombigbee RC&D, Alabama Legislature, the Alabama Humanities Foundation, and the Alabama State Council on the Arts and equaled $602,117.00.

   \[
   \text{TOTAL GRANTS} = 8; \text{TOTAL FUNDING} = $602,117.00
   \]

3. **Supporting Document:**
   - Externally Funded Research and Projects

4. **Findings (2010-2011) - Achievement Target: Partially Met**

   The University of West Alabama received $654,614.00 in grant funds for eleven grants during 2010-2011. Grants include funding from the Alabama Department of Transportation for the BYWAYS Project (Black Belt Nature and Heritage Trail), Tombigbee RC&D for the Repair Wetland Creation, ADECA for the Black Belt Garden Recreational Trails, Alabama Humanities Foundation for the Community Lecture on the 180th Anniversary of the Treaty of Dancing Rabbit Creek, Alabama State Council on the Arts for the Sucarnochee Revue, the Historical Records Advisory Board for Documenting the History of a Community through Churches, the Alabama State Council on the Arts for the Sucarnochee Folklife Festival, Shelton State Community College for the Alabama Labor Archives and History, the Alabama Historical Commission for the Freedom Riders Exhibition, Alabama Power Company for the Plant a Tree in Alabama project, and the US Forestry Service for the Black Belt Heritage Area Interpretive Signs.

   \[
   \text{TOTAL GRANTS} = 11; \text{TOTAL FUNDING} = $654,614.00
   \]

   With assistance from the Office of Sponsored Programs, faculty and staff are able to research and submit grant proposals to fund studies and projects impacting cultural awareness in the region. Funding for research and projects impacting cultural awareness increased by 8% or $52,497.00 from 2009-2010 to 2010-2011.

5. **Supporting Document:**
   - Externally Funded Research and Projects

5. **Objective: Basic or applied research in discipline-specific areas**

   Faculty and/or students will engage in basic or applied research in discipline-specific areas of concentration.

   a. **Associations:**

   Strategic Plans:

   2 Mission:

   To provide opportunities for students to pursue a quality education and assist in developing the important qualities of independent thinking, respect for the ideas of others, personal integrity and character in order to realize their quests for a philosophy of life and self-fulfillment

   9.1 Address the major educational, social, cultural, and economic issues of the region and in doing so promote a positive image of the institution and the area
11.1.2 Continue to expand sponsored programs by increasing faculty and staff involvement in grant writing

b. **Measure: Research in discipline-specific areas**
Faculty and/or staff will design and implement basic or applied research in discipline-specific concentrations to further the study and/or projects/services in particular areas of interests.

Source of Evidence: Administrative measure - other

1. **Achievement Target:**
   Research efforts will lead to publication, presentation, scholarly papers, or services/projects.

2. **Findings (2009-2010) - Achievement Target: Partially Met**
   **Department of Behavioral Sciences**
   **Scholarly Research**
   Eight research projects were conducted by three faculty members. Topics included self-awareness and reducing bias, improving intergroup relations, threat and emotions, and the impact of economic hardship on African-American married men. Four students helped on two of the projects. One student conducted independent research that led to publication.
   **Publications**
   One faculty member co-authored a book. One manuscript is in progress.
   **Presentations**
   Two faculty members made three scholarly presentations.

   **Department of History and Social Sciences**
   **Scholarly Research**
   Two research projects were conducted by two faculty members. Topics included "Archaeological Clues to a 17th Century Pan-Southeastern Revitalization Movement" and "The Last Promise of Collaboration: Booker T. Washington, W.E.B. Du Bois and Their (Failed) Joint Anti-Segregation Effort."
   **Presentations**
   Two faculty members made two scholarly presentations at two professional conferences.

   **Department of Languages and Literature**
   **Scholarly Research**
   Three research projects were conducted by two faculty members. Topics included Haunted Birmingham and "Cold Pastoral: Unearthing the Intertexts in Charles Frazier's Cold Mountain."
   **Publications**
   One book by a faculty member was published. One scholarly article was published.

   **Department of Biological and Environmental Sciences**
   **Scholarly Research**
   Eight research projects were conducted by two faculty members. Topics include microbes from tap water on UWA campus, a survey of bacteria and
fungi in Alamuchee Creek, and mitochondrial variation in genetics. Eight students assisted in research for four of the projects.

Presentations
Two faculty members made eight scholarly presentations at three conferences. Eight students made presentations at one conference.

Department of Mathematics
Scholarly Research
Six research projects were conducted by three faculty members. Topics include the linear fuzzy real number system, three-dimensional parabolic problems, and domain decomposition method.

Publications
Two articles by one faculty member were published.

Presentations
One faculty member made two scholarly presentations at two conferences.

Department of Physical Sciences
Scholarly Research
Two research projects were conducted by one faculty member. Topics are "New analogues of benzylisothiourea showed Rb-Raf disruption and anti-cancer activity" and "Development of Small Molecule inhibitors of the phosphatase Shp2 by fragment screening of Abstract of Papers."

Presentations
One faculty member made two scholarly presentations at two conferences.

Department of Instructional Leadership and Support
Scholarly Research
Three research projects were conducted by four faculty members. Topics include stress management, what great principals do differently, and a presentation for the National Science Foundation.

Presentations
Four faculty members made three presentations at three conferences.

Department of Physical Education and Athletic Training
Scholarly Research
Nineteen research projects by seven faculty members were conducted. Topics include Connecting Movement with Learning, kinesiology, essentials of musculoskeletal care, athletic training as a career, and evaluation of shoulder injuries laboratory.

Publications
One faculty member co-authored a textbook and created a demonstrative DVD to be included in another textbook.

Presentations
Five faculty members made fifteen scholarly presentations at thirteen conferences.

Department of Business Administration, Management and Marketing
Scholarly Research
One research project was conducted by one faculty member. Topic was "Let's Work Together: Using Collaborative Multi-Classes to Solve Business Cases."

Presentations
One faculty member made a scholarly presentation at a conference.

Department of Computer Information Systems and Technology
Scholarly Research
Six research studies by three faculty members were conducted. Topics included the future of biometrics in the e-learning systems, energy economics, criminal justice, and cyber attacks.

**Publications**
One article by one faculty member was published.

**Presentations**
Two faculty members made five scholarly presentations at four conferences.

**Ira D. Pruitt Division of Nursing**

**Scholarly Research**
Three research projects were conducted by three faculty members. Topics included pediatric pain management, and emotional effects of unrelieved pain. **Presentations**
Three faculty members made three scholarly presentations at three conferences.

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**TOTAL FOR 2009-2010**
Scholarly Research = 62
Publications = 8
Presentations = 45

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3. **Supporting Document:**
- University Research Map 2009-2010

4. **Findings (2010-2011) - Achievement Target: Partially Met**

**Department of Behavioral Sciences**

**Scholarly Research**
Twenty research projects were conducted by four faculty members. Topics included the effects of stereotypically charged humor on explicit measures of prejudice, paternal involvement and paternal stress, and the roles of positive affect and risk perception. Twenty-three students assisted in eight of the projects. One student conducted independent research, that led to publication. Two of the twenty projects are still in progress.

**Publications**
One doctoral dissertation and six articles were published. Four manuscripts are being prepared and one is in press.

**Presentations**
One independent student-led research project led to a professional presentation. Two faculty members made six professional presentations.

**Department of History and Social Sciences**

**Scholarly Research**
Fifteen research projects were conducted by five faculty members. Topics included Civil Rights movement in Perry County, research at an 18th century French colonial fort, New Urbanism, and Creek Indian removal along the Western Waters.

**Publications**
Four articles were published by three faculty members.

**Presentations**
Four faculty members made seven scholarly presentations at six conferences.

**Department of Languages and Literature**

**Scholarly Research**
Nine research projects were conducted by four faculty members. Topics included Ghosts of the Gulf Coast, Haunted Vicksburg, technology enhanced
student learning, and "Female Voices in Margaret Atwood's The Penelopiad and Sena Jeter Naslund's Ahab's Wife or, The Star-Gazer."

**Publications**
One book by one faculty member was published. One faculty member submitted three manuscripts for publishing. One article by one faculty member was published.

**Presentations**
Two faculty members made three scholarly presentations at three conferences.

**Department of Biological and Environmental Sciences**

**Scholarly Research**
Forty-two research projects were conducted by nine faculty members. Topics included cytological events involved in malignant melanomas, sources of pathogen contamination in upper Fish River, water quality monitoring and assessment, pioneering botanist of the Southern Coastal Plain, vascular plants of Alabama, chemical modification on staphylococcal nuclease, and plant detection of herbivore feeding cues. Three students assisted in two of the projects.

**Publications**
Sixteen scholarly articles were published.

**Presentations**
One faculty member made three scholarly presentations at three conferences. Three students made presentations at one conference.

**Department of Mathematics**

**Scholarly Research**
Nine research projects were conducted by six faculty members. Topics included quiver algebras, online learning, and hyperbolic telegraph equations.

**Publications**
Four articles by two faculty members were published.

**Presentations**
One faculty member made a presentation at a conference.

**Department of Physical Sciences**

**Scholarly Research**
Ten research projects were conducted by four faculty members. Topics included a study of protein structures and characterization using various lengths of crosslinking reaction, structural biology, and electrochemical oxidation of Stilbenes bearing EDGs. One student conducted independent research.

**Publications**
Two faculty members published two scholarly papers. One student submitted a paper through independent research.

**Presentations**
Three faculty members made five scholarly presentations at three conferences.

**Department of Instructional Leadership and Support**

**Scholarly Research**
Forty research projects were conducted by eight faculty members. Topics included the public school library as a safe haven, teacher effectiveness,
administration, innovative practices for instructional leadership, school law, data rooms to enhance student learning, and academic honesty.

**Publications**
Four articles by three faculty members were published.

**Presentations**
Six faculty members made thirty-seven presentations at eighteen conferences.

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**Department of Physical Education and Athletic Training**

**Scholarly Research**
Eighteen research projects by six faculty members were conducted. Topics include the elbow and the forearm, shoulder anatomy and injuries, hands on exam of the knee, and eating right in college.

**Publications**
One faculty member submitted a manuscript. Two articles by two faculty members were published.

**Presentations**
Three faculty members made thirteen scholarly presentations at nine conferences.

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**Department of Business Administration, Management and Marketing**

**Scholarly Research**
Three research projects were conducted by one faculty member. Topics included New Roles for the Dean in Development and the Center for Business and Economic Services.

**Presentations**
One faculty member made three scholarly presentations.

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**Department of Computer Information Systems and Technology**

**Scholarly Research**
Twenty-four research projects were submitted by two faculty members. Topics included safe dams, comparing the Praxis scores between online and traditional students, criminal justice, and school violence.

**Publications**
One doctorate dissertation by a faculty member was published. One faculty member co-authored five books that were published. Eleven articles were published by one faculty member.

**Presentations**
Two faculty members made fourteen scholarly presentations at five conferences.

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**Department of Accounting, Finance and Economics**

**Scholarly Research**
Four research projects were submitted by two faculty members. Topics include student learning projects, and income tax assistance.

**Presentations**
Two faculty members made four scholarly presentations at four conferences.

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**Ira D. Pruitt Division of Nursing**

**Scholarly Research**
Three research projects were conducted by three faculty members. Topics included quality improvement in health care settings and management of personal stressors.

**Presentations**


Three faculty members made three scholarly presentations at three conferences.

**Division of Online Programs**

**Scholarly Research**
Fifteen research topics were investigated by ten online faculty members.

**Publications**
Four articles were authored by two online faculty members. Titles are “Private Practice: Business Considerations,” “The School Counselor Website,” “Am I Ready to be a Counselor? A Self-Evaluation,” and “Impact of a University Course on Teacher Efficacy.”

**Presentations**
Eleven presentations were made by four online faculty members.

**TOTAL FOR 2010-2011**
- Scholarly Research = 214
- Publications = 74
- Presentations = 112

5. **Supporting Document:**
   - University Research Map 2010-2011

c. **Measure: Acquire funding for research in all areas**
   Individuals will seek funding in order to conduct research that leads to further study and/or projects/services. Research conducted will have primary emphasis placed on subjects that identify or meet the educational, social, cultural, and economic needs of the region. The Office of Sponsored Programs will assist faculty and staff in submitting grant proposals for external funding. Internal grant programs such as the Teaching Excellence Grants, Service Learning Grants, and University Research Grants will provide some internal funding for research.

Source of Evidence: Administrative measure - other

1. **Achievement Target:**
   Secure funding for basic or applied research proposals and projects in discipline-specific areas of concentration.

2. **Findings (2009-2010) - Achievement Target: Partially Met**
   The University Research Grants programs funds discipline-specific basic and applied research during the academic year. In 2009-2010, eight studies received a University Research Grant totaling $7,630.16.

   The following grants were funded:
   - Dr. Alan Brown
     *Ghost Story Collecting Trip to Missouri and Illinois*
     Total amount requested: $1,000
   - Dr. Russ Davis
     *The United States Rural-Urban Suicide Differential: An Examination of Regional Patterns from 1970-2000*
     Total amount requested: $1,000
   - Mr. Chengqi Guo
Social Network Service in School: A Model of Centrality, Trust and Technology Acceptance
Total amount requested: $1,000

Dr. Younbae Jun
Higher Order Domain Decomposition Method for Solving Parabolic Partial Different Equations
Total amount requested: $1,000

Dr. Yun Ho Kim
A Study of Methionine Oxidation and Its Inhibition Using Anti-oxidants
Total amount requested: $1,000

Dr. Joo Young Lee
A New Standard Analysis for National Competitiveness
Total amount requested: $630.16

Dr. Jeffery Merida and Dr. Venkat Sharma
MIP-1 Beta Expression in AIDS Associated B-cell Lines
Total amount requested: $1,000

Ms. Jessica Smith
Gaudi in Barcelona
Total amount requested: $1,000

3. Supporting Document:
   • University Research Grants 2009-2010

4. Findings (2010-2011) - Achievement Target: Partially Met
   The University Research Grants program funded nine research projects in discipline-specific concentrations for a total of $8,555.60, an increase of $925.44, for 2010-2011.

   The following grants were funded:
   Dr. Janis Beaird
   IL-16 Modulation in Melanoma Cell Lines
   Total amount requested: $1000

   Dr. Alan Brown
   Ghost Story Collecting Trip to Austin and Fort Worth, Texas
   Total amount requested: $1000

   Dr. Brian Burnes
   Water Quality Monitoring and Assessment of Factory Creek in Sumter County, Alabama
   Total amount requested: $561.60

   Dr. Adrian Doss
   The Business of Criminal Justice
   Total amount requested: $1000

   Dr. Chris Haverman
Book Manuscript: *Rivers of Sand: The Removal of Creek Indians from the Southeast, 1825-1838*
Total amount requested: $1000

Dr. Yun Ho Kim
*A Study of Zanthoxylum Clava-Herculis L. in Black Belt*
Total amount requested: $1000

Dr. Joo Young Lee
*The Business of Criminal Justice*
Total amount requested: $1000
Dr. Heather McDonald
*RANKL Structural Biology Project*
Total amount requested: $1000

Dr. Doug Wymer
*A Longitudinal Assessment of the Influence of Land Use on Water Quality in Alamuchee Creek as Indicated by Aquatic Macroinvertebrate Communities*
Total amount requested: $994

5. Supporting Document:
   - University Research Grants 2010-2011

II. Plans for Improvement Based on Assessment Results
Although scholarly research, publications, presentations, and grants have increased throughout the University, there is still a need for improvement in some areas. Several Action Plans have been put into place to enhance activities in these areas.

A. OSP Community of Scholars
   The Office of Sponsored Programs (OSP) will conduct a two-day retreat to teach faculty important ways of becoming more prolific in scholarly writing efforts. During the retreat, participants will bring a rough draft of their writing and learn a technique for meaningful feedback. Every scholar can become more productive through a few easy steps. The Community of Scholars Retreat is a two-day interactive and participatory workshop of thirty faculty members. The retreat, led by a well-known expert, will focus on scholarly and professional writing skills. Participants will form small communities as the strategy to encourage participation and increase writing productivity. Each small group will meet weekly for six weeks (working lunches count) and email each other. Each Community Scholar will complete an article for publication following steps learned during the retreat. The follow-up session will allow the Communities of Scholars to evaluate one-day work, compare notes, and create a definitive schedule for publications.
   - Established in Cycle: 2010-2011
   - Implementation Status: Planned
   - Priority: High
   - Completion Date: 01/2012
   - Additional Resources: Thirty faculty/staff in two days of training
   - Cost: $7,950 (consultants, supplies)
   - Budget Amount Requested: $7,950

B. OSP Magnificent Seven
   The Office of Sponsored Programs will choose seven faculty members completing the Community of Scholars who will be eligible for an extensive six-session grantwriting program. Selected participants will formulate an idea and identify the funding source prior to attending the ninety-minute weekly sessions. The Magnificent Seven will write a
complete grant application during the series. Using a selected Request for Proposal (RFP), members will develop each section with one-on-one assistance from experienced grant writers. The small group will have the opportunity to interact and learn from each other. The end result will be a submittable grant application with budget and sample documentation. The grantwriting process will be fostered by direct interaction with a successful awardee through Wikispaces and/or chat rooms. The Magnificent Seven is a hands-on series of workshops for faculty willing to commit to total participation and dedication. Only seven faculty members will be selected. Members will receive a stipend of $500 for completion of all sessions.

**Established in Cycle:** 2010-2011  
**Implementation Status:** Planned  
**Priority:** High  
**Additional Resources:** Seven Faculty/Staff in six ninety-minute sessions  
Cost: $10,300 (consultants, supplies, participant stipend)

**Budget Amount Requested:** $10,300

C. Increase the number of studies that impact economic development of the region

In conjunction with the Office of Sponsored Programs, the number of studies on the economic issues of the region conducted by faculty/staff and students will increase by 5%. By increasing studies in this area, more projects and services may be developed, creating a greater impact on the region.

**Established in Cycle:** 2010-2011  
**Implementation Status:** Planned  
**Priority:** High  
**Implementation Description:** Researchers will be encouraged to work with the Office of Sponsored Programs to seek funding for research on regional economic issues

D. NSM Faculty Forum for Teaching and Research

In order to encourage continuous enhancement and accountability for research, the College of Natural Science and Mathematics will host a Faculty Forum for Teaching and Research. Faculty within NSM will speak to other faculty and students on different topics in order to present research findings and encourage more research in a variety of areas.

**Established in Cycle:** 2010-2011  
**Implementation Status:** Planned  
**Priority:** High

E. URS@NSM

Undergraduate Research Symposium @ Natural Sciences and Mathematics (URS @ NSM) - Independent research represents unique learning strategies for many students. Undergraduate Research in NSM is an integral part of student learning. The intense immersion activity of undergraduate students in research helps them to develop their scholarly pursuits. NSM faculty pay special attention in helping interested students identify and approach areas of research. The faculty take pride in the process of refining their students’ interests into focused project topics. Held over Spring Assessment Day, the URS@NSM is an opportunity for undergraduates to present their research and creative projects to the broader University community. Undergraduates from all STEM (Science, Technology, Engineering and Mathematics) disciplines present their current and recent academic projects, showcasing the diversity of topics, approaches, and interests. The symposia will also serve as a resource for undergraduates. Those who are not yet engaged in these pursuits can learn how fellow students developed their intellectual interests, current projects, and faculty or community connections. Finally, URS@NSM is a portal to provide occasions for students, faculty, staff, prospective students and alumni to witness how student projects enhance faculty work and also serve the greater community.

**Established in Cycle:** 2010-2011
Implementation Status: Planned
Priority: High
Implementation Description: Undergraduate Research Symposium @ Natural Sciences and Mathematics. This celebration of undergraduate research will be held on March 13, Spring Assessment Day, in 2012 to showcase undergraduate student research. Students are encouraged to present their research in poster form and will be peer-reviewed by an advisory group of faculty in NSM. The best three posters will be awarded prizes. All participants will be given certificates of appreciation. Website will be launched shortly.
Completion Date: 03/16/2012