

BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

SECTION: <u>14</u>
DATE: November 27, 2007

RECOMMENDATION

FY 2009 CAPITAL OUTLAY BUDGET REQUEST

ACTION REQUESTED:

It is recommended that the Board of Regents approve the FY 2009 Capital Outlay Budget Request. The modernization of Pray-Harrold has been identified as the University's top capital project.

STAFF SUMMARY:

Pray-Harrold Classroom Building is the largest classroom building on campus, serving 10,000 students each day. When Pray Harrold was built in 1969, it was the largest classroom building in the State of Michigan. Now it is critical need of improvements. Modernizing Pray-Harrold will positively affect more students than any other capital need of the University. Investing in this project will extend the life of the building and offer a more effective learning environment for both students and faculty. The project will include renovation of the existing structure, which will entail reconfiguration of the existing space to accommodate additional classroom and computer lab space, as well as, new technology; a new dedicated electrical primary service; replacing and modifying the HVAC system; wiring for information technology; replacement of architectural, structural, mechanical, and electrical systems; and additional upgrading to comply with ADA standards. The project includes an additional net 45,000 square footage to provide the students with much needed gathering space for impromptu meetings with faculty and other classmates. The addition will also provide flexibility in classroom configuration to adapt to the changing instructional environment. The program statement for this project has been completed.

Attached is an Executive Summary and project description of the proposed modernization of the Pray-Harrold classroom building. A complete copy of the FY 2009 Capital Outlay Request is also provided.

FISCAL IMPLICATIONS:

The estimated cost to modernize Pray-Harrold is \$57,000,000. The University's cost share is \$14,250,000. The University's share will be funded from the money already collected and to be collected by the four percent tuition fee increase that began in the fall 2005 from the action taken by the Board to identify funding to address outstanding facility needs.

ADMINISTRATIVE RECOMMENDATION

The proposed Board action has been reviewed and is recommended for Board approval.

University Executive Officer

Date

EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009

**Capital Outlay Request
Fiscal Year 2009**



EASTERN MICHIGAN UNIVERSITY

November 2, 2007

Ms. Lisa Shoemaker, Capital Outlay Coordinator
Office of Education and Infrastructure
Office of the State Budget
George W. Romney Building
111 South Capitol
P.O. Box 30026
Lansing, MI 48909

Dear Ms. Shoemaker:

Eastern Michigan University is enclosing its FY 2009 Capital Outlay Request. It is being submitted, pending its approval at the Board of Regents meeting on November 27, 2007. Once approved, additional copies will be forwarded to your attention.

The renovation of the Pray-Harold classroom building (the largest classroom building on campus) remains the University's number one capital outlay priority. The cost estimates on this project are \$57 million. Even though it did not come to fruition, the University was extremely pleased that this project was included in last year's Capital Bill, as recommended by Governor Granholm. The University eagerly awaits and truly expects it to be included again in this year's Capital Bill. In addition to benefiting the students and faculty at EMU, approval of the Pray-Harold project will also provide a much-needed economic stimulus to the greater Ypsilanti community.

Pray Harrold, the University's major classroom and office building, is not the only academic capital deficiency on campus. The science facilities lack the specialized spaces, building systems, and laboratory features necessary for modern scientific education and research. Our science facilities must promote science and insure the success of students with learning space that is research-rich with interdisciplinary learning environments. The improved scientific facilities will enable the University to expand its curriculum to meet the needs of today's scientific educators and to be competitive among universities of comparable size and instructional mission.

The University's commitment to improve scientific educational facilities is shown by our support in self-funding the \$100 million Mark Jefferson Science Complex Project. This project encompasses renovation of the existing 180,802 square foot building, built in 1969, and an additional 150,000 square feet. The Mark Jefferson Science Complex project will address the

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inadequate and outdated laboratory space, as well as, the need for additional classroom and faculty office space. The University has obtained permission from the Joint Capital Outlay Subcommittee to proceed with this project. We are in the process of selecting the architect. Funding for this project will be provided by the issuance of debt, which will be repaid primarily with funds generated by the four-percent tuition and fee increase that was approved for this purpose by the University's Board of Regents effective with fall term 2005.

The second building component that houses the sciences is the Strong Science Building, built in 1957. This building has not had any major renovations since it was built, and like Mark Jefferson, is in extreme need of renovation. Development of the Strong Science Building program statement is underway, with a project estimate of \$30-\$40 million. The University looks forward to the State being able to participate in the funding of this renovation and its inclusion in a future capital bill.

As one of the oldest University campuses in the State, one with facilities that are in dire need of renovation and modernization, it is exciting to see a plan come together to address these needs and to provide the students of the great State of Michigan with the classrooms and science facilities to which they expect. We continue to appreciate the State's consideration in assisting us with this plan.

Should you have any questions, please feel free to contact me at (734) 487-2031.

Sincerely,

Janice M. Stroh
Vice President for Business and Finance

Enclosure

cc: Donald Loppnow, Provost and Executive Vice President
Freman Hendrix, Chief Government Relations Officer

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009**

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EXECUTIVE SUMMARY

An increased State investment in Eastern Michigan University is an investment in Michigan's future. EMU is positioned to respond to metropolitan area growth, a changing population of diverse learners and the demands of schools, businesses and public agencies. We have a measurable impact on the citizens of Michigan. To accomplish this the University provides an exceptional learning environment that can accommodate the diverse and specialized delivery of instruction that meets the expectations of our publics – students and their parents, business and industry and the state. An exceptional learning environment requires facilities that can accommodate the technologies that are now woven through every discipline. Buildings constructed before the technology revolution/evolution cannot satisfy these demands.

Eastern Michigan University has 34 buildings that are at least 20 years old, with an average building age (weighted by square feet) of 37 years. While many old buildings have a unique charm, they lack the infrastructure needed to facilitate modern information and communication technologies, as well as the mechanical and electrical systems required to support a technology-friendly environment. It is recognized that most building systems have finite useful lives of approximately 30 years. Note that the University's top capital project, the modernization of Pray-Harrold, exceeds this age. As such, the University has identified the modernization of the 237,108 square ft. Pray-Harrold classroom facility as its top capital outlay project.

Pray-Harrold opened in 1969 as the state of Michigan's single largest classroom building. For the past 38 years the building has been utilized at capacity servicing approximately 10,000 students each instructional day. Modernizing this building will positively affect more learners than any other capital need of the University.

Some improvements to this building were completed with the restoration performed after the March 2000 fire. Costs to restore Pray-Harrold to its pre-fire condition exceeded \$10.5 million. Much of the cost specifically addressed cleanup from the smoke and water damage, some improvements to HVAC systems (the fire started in the penthouse mechanical room), abatement of asbestos, new lighting and partial new roofing. Although cleaner and safer, the building still functions as a 1969 building. The program statement for renewal of this essential classroom building into a 21st century, technologically-central learning facility has been completed and submitted to the Department of Management and Budget. The University hopes that this building project will be considered in the near future, and is prepared to mobilize immediately upon funding authorization.

In addition to the need to modernize Pray-Harrold, the University also has a critical need to improve its science facilities. Many of the building deficiencies reported in Pray-Harrold (i.e. age, mechanical and electrical system conditions and capabilities, and lack of specialized spaces and technology) also pertain to the University's science space. Earlier this year, the University

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EXECUTIVE SUMMARY

completed a study to evaluate its science facility needs. Initial recommendations included the construction of an additional 150,000 square foot building on the west side of the Mark Jefferson Science Building to address the needs of the biology, chemistry and psychology departments. The recommended new addition would provide new multidisciplinary research and teaching laboratories to accommodate the needs of the departments, and allow the University to expand its curriculum – particularly in the areas of biochemistry and microbiology – to meet the needs of today's science student. Upon completion of the new addition, the University would then proceed to renovate the existing Mark Jefferson building to address the outdated mechanical, lighting, and electrical systems; as well as make structural improvements to the building's roof and exterior systems.

In addition to addressing the needs of the biology, chemistry and psychology departments, the University is also looking into the needs of the geography/geology and physics/astronomy departments. These departments are presently housed in Strong Hall (c.1957), which is directly north of the Mark Jefferson Science Building. It is anticipated that Strong will also require a complete renovation due to its age and heavy use.

Eastern Michigan University views its physical capital as a financial asset, and believes that investing in the Pray-Harold modernization project is an exceptionally wise use of state funds. Such an investment will extend the life of the buildings, reduce operation costs and offer a more effective learning environment. The University is prepared to provide the required matching funds.

EASTERN MICHIGAN UNIVERSITY
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Mission Statement

- Mission
- Values
- Guiding Principles

EASTERN MICHIGAN UNIVERSITY

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MISSION

Eastern Michigan University is committed to excellence in teaching, the extension of knowledge through basic and applied research, and creative and artistic expression. Building on a proud tradition of national leadership in the preparation of teachers, we maximize educational opportunities and personal and professional growth for students from diverse backgrounds through an array of baccalaureate, master's and doctoral programs. We provide a student-focused learning environment that positively affects the lives of students and the community. We extend our commitment beyond the campus boundaries to the wider community through service initiatives and partnerships of mutual interest addressing local, regional, national and international opportunities and challenges.

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VALUES

Eastern Michigan University's mission and philosophy are built upon shared values that define and nourish the intellectual, ethical, and aesthetic environment. These values are:

TEACHING AND LEARNING

We believe that teaching and learning are central to everything that we do. We recognize that we are a community of learners who discover, interpret, apply, and transmit knowledge

EXCELLENCE

We believe that the promotion of personal and academic excellence provides a foundation for institutional quality. We are committed to achieving the highest standards through ongoing assessment and continuous quality improvement.

HUMAN DIGNITY AND RESPECT

We believe that wisdom, sound judgment, acceptance, and respect for other persons, cultures, and ideas are characteristics of an educated person. We seek to demonstrate, through all programs, activities, and services, an appreciation of human diversity and an atmosphere of mutual respect and support for individual differences.

DIVERSITY

We believe that cultural diversity enriches learning experiences and promotes respect and understanding. We welcome qualified learners of varying interests, abilities, backgrounds, and expectations and are committed to creating an inclusive educational environment that provides exceptional opportunities for all learners. We seek to attract, serve, and retain a highly qualified and diverse student body, faculty, and staff, and to make special effort to provide access to educational opportunities for non-traditional and under-represented populations.

SCHOLARSHIP AND INTELLECTUAL FREEDOM

We believe that intellectual and creative freedom supports scholarship and advances the learning process. We promote, encourage, and support personal and academic freedom. We seek to provide an environment that fosters knowledge development and creative learning experiences through intellectual and cultural exchange.

PUBLIC ENGAGEMENT

We believe that the University should engage the public in mutually beneficial relationships to achieve the public good. We aspire to develop regional, national, and international partnerships that allow us to serve our stakeholders more effectively, while providing increased learning opportunities for our students, faculty, and staff.

LEADERSHIP AND PARTICIPATORY DECISION-MAKING

We believe that effective organizations are characterized by visionary leadership and participatory decision-making at all levels. We are committed to creating and supporting an environment that fosters open communication and innovative approaches to change.

INTEGRITY

We believe that integrity is critical to our continued success and institutional effectiveness. We expect and support the highest level of personal, intellectual, academic, financial, and operational integrity within the University community.

EASTERN MICHIGAN UNIVERSITY

CAPITAL OUTLAY REQUEST FY 2009

GUIDING PRINCIPLES

The following guiding principles provide standards the University seeks to achieve:

ACCESSIBILITY	An inclusive community of learners that provides educational opportunities to any qualified individual who wishes to participate.
RELEVANCY	Programs designed to broaden perspectives, heighten awareness, deepen understanding, establish disciplined habits of thought, respond to changes in the work-place and society, and help develop individuals who are informed, responsible citizens.
RESPONSIVENESS TO CHANGE	A learning community that is responsive to economic, social, and political change. As an agent of change, the University explores new alternatives, recognizes constraints, and makes wise institutional choices.
FLEXIBILITY	While recognizing that various constituencies have different needs, University programs, activities and services are flexible so that people have the opportunity to participate and to achieve their goals and purposes.
QUALITY	All programs, activities, and services achieve the highest standards of quality.
COLLABORATION	All University programs, activities, and services work collaboratively to solve problems, provide greater efficiencies, and expand learning opportunities. Collaboration extends beyond the University to colleagues, communities, and institutions.
ACCOUNTABILITY	The University has consistent policies and procedures to ensure accountability at all levels. All members of the University community are accountable for their actions and decisions.
AFFORDABILITY	Qualified individuals who desire to participate are not discouraged from doing so because of financial resources.

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Instructional Programming

- Executive Summary
- The Colleges
- Other Academic Units

**EASTERN MICHIGAN UNIVERSITY
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INSTRUCTIONAL PROGRAMMING**

EXECUTIVE SUMMARY

The University was founded by the State of Michigan in 1849. Then called Michigan State Normal School, its primary purpose was to educate teachers. In 1956, Michigan State Normal College became Eastern Michigan College, and in June 1959, then comprising three colleges and a graduate school, it became Eastern Michigan University.

Today, Eastern Michigan University is a comprehensive undergraduate and graduate institution, offering 109 undergraduate majors and curricula leading to a broad spectrum of baccalaureates and a total of 99 graduate concentrations leading to the masters', specialist's, and doctoral degrees. Its focus is on preparing students to succeed beyond graduation by emphasizing a personal approach to education in which the student is the center of the learning experience. The University prides itself on putting "Education First."

The University is fully accredited by the North Central Association (NCA) of Colleges and Schools. More than 100 national and international professional organizations provide focused accreditations at the college, department, and program levels.

The University's Division of Academic Affairs comprises five (5) academic colleges: the College of Arts and Sciences (CAS), the College of Business (COB), the College of Education (COE), the College of Health and Human Services (CHHS), and the College of Technology (COT). The division is further supported by the Bruce T. Halle Library (LIB), Information and Communications Technology Division (ICT) and Continuing Education (CE).

The Academic Affairs Division's facilities are in need of modernization. The Halle Library (1998) and the College of Health and Human Service's Marshall Building (2000), are the University's newest academic facilities. The Porter College of Education Building (1998) is the University's most recently renovated academic facility. The facilities used by the College of Arts and Sciences have not been updated for more than 20 years. Thus, the Academic Affairs Division's first three capital priorities are (1) the renovation of Pray-Harrold classroom building, (2) the renovation of Strong Hall science classroom and laboratory building, and (3) the Integrated Arts, Communications and Applied Technology Village.

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THE COLLEGES

College of Arts and Sciences

The College of Arts and Sciences (CAS) was established in 1959-1960 during the academic year EMU became a university. The college currently is the largest in the university, with 17 departments (Art, African American Studies, Biology, Chemistry, Communications and Theatre Arts, Computer Science, Economics, English Language and Literature, Foreign Languages and Bilingual Studies, Geography and Geology, History and Philosophy, Mathematics, Music and Dance, Political Science, Physics and Astronomy, Psychology, and Sociology, Anthropology and Criminology) and two interdisciplinary programs (Women's and Gender Studies and the Bioinformatics). The college employed 380 tenure track faculty in fall 2006. Graduate work in the college expanded rapidly from two degrees in 1960 (History and Literature) to degrees in all departments by 1969. Beginning in Fall 2001, the College offered a Ph.D. in clinical psychology, the first Ph.D. at EMU.

For a perspective of the size and complexity, the College of Arts & Sciences:

- Generates more than half of EMU's student credit hours.
- Employs slightly more than half of the University's faculty.
- Uses all or part of 12 buildings.
- Offers nearly all of the general education courses, which provide the foundation for specialized work in major programs.
- Supports 6,000 sections annually for more than 1,800 courses.
- Maintains over 100 undergraduate and 70 graduate programs.
- Includes nearly 6,000 undergraduate and 1,000 graduate majors each year.
- Awards more than 1,200 undergraduate and 300 graduate degrees annually.

The college is also proud of the following attributes:

- It exhibits student research and creativity in its annual Undergraduate Symposium.
- It houses the Institute for Geospatial Research and Education (IGRE); the Terrestrial and Aquatic Ecology Research Facility (TAERF); the National Science Foundation-funded (a) DNA sequencing laboratory, (b) an Organismal Physiology Research Laboratory, and the (c) Creative Science Inquiries Experience Program (CSIE).
- It hosts the Institute for Language, Information and Technology, which includes the unique, internationally renowned Linguist List website and data repository, which is used by linguists around the world, a half-dozen major national journals, and scholars applying knowledge to solve current global problems.
- Every department in the college participates in the education of teachers through specific methods course offerings.

Facility modernization represents the College of Arts and Science's top priority, because existing facilities limit CAS's ability to fulfill its full teaching and research mission. The college has had no new facilities in over two decades, with the exception of two fire restorations (Pray-Harrold Classroom Building and Sherzer Hall) and an external grant-funded Terrestrial and Aquatic Ecology Research facility.

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INSTRUCTIONAL PROGRAMMING**

The University's Board of Regents has identified the modernization of the classroom and office building, Pray-Harrold, as its top priority. The Pray-Harrold modernization and expansion project includes upgrading the utility and technology infrastructures of the building as well as reconfiguring and adding needed classrooms and computer laboratories. Additionally, many rooms would be remodeled to better serve students with special needs and access. Renovations would include the installation of safety equipment (cameras and mirrors) to make our learning environment as safe as possible. Because up to 2,000 students are in the classrooms at any one time, improvements to the learning environment in Pray-Harrold are critical to the educational mission of the University. A preliminary program statement for the Pray-Harrold project was introduced to the Board of Regents in September 2005.

In addition to the Pray-Harrold classroom modernization, the College has a critical need in upgrading its science education and research facilities. In comparison to its peer institutions, there exist significant deficiencies in the scientific instrumentation available to students and faculty. The college is in the process of raising funds, e.g. with matching grants from the Kresge Foundation, to modernize its scientific equipment. In 2006, the University invested in elevators and a HVAC, lighting, and internet upgrade of Mark Jefferson – but did not improve its 38-year old laboratory environment. In 2007, upgrades were completed in the large lecture halls in Strong Science building—but no improvements were made in the 66-year old lab environment.

The Board of Regents has recognized the upgrade of the science facilities as the second most critical need of the University. To that end, a program statement was completed in 2006 for the renovation of Mark Jefferson and for the construction of a new 150,000 gross square foot science building. In 2007, the Board of Regents decided to move forward with the \$100-million, bond-funded project. A second science-related program statement was completed in 2006. This \$30-\$40 million project would provide HVAC, electrical, and communications systems upgrades to Strong Hall. Classrooms and laboratories would be modernized.

The college's third most critical need is the modernization of facilities for fine arts, music dance, theater, film and communications. Faculty members from the College of Arts and Sciences and the College of Technology began working on a program statement for an interdisciplinary integrated arts and applied technology facility during fiscal year 2007. No architectural firm has yet been identified to assist the faculty committee.

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Several programs in the College of Arts and Sciences are accredited by disciplinary organizations, which frequently list standards for quality of program space:

- *Department of Chemistry* (accredited by the American Chemical Society)
- *Department of Geography and Geology* (historic preservation accredited by the National Council for Preservation Education, urban and regional planning accredited by the Association of Collegiate Schools of Planning and by the Planning Accreditation Board, historic preservation affiliated with the Association for Preservation Technology, Michigan Historic Preservation Network, Pioneer America Society, Vernacular Architecture Forum and the National Trust for Historic Preservation)
- *Department of Music and Dance* (accredited by the National Association of Schools of Music and the American Music Therapy Association)
- *Department of Political Science* (public administration accredited by the National Association of Schools of Public Affairs and Administration)
- *Department of Psychology* (accredited by the Association for Behavior Analysis, American Psychological Association and Council of Applied Master's Programs in Psychology)

College of Business

The College of Business (COB) provides high-quality, accredited (Association to Advance Collegiate Schools of Business) business education, with a number of interdisciplinary programs, at both the undergraduate and graduate levels to traditional and non-traditional students. The college also serves as a multi-purpose resource for regional, national and international business firms, providing professional and executive development as well as other forms of partnership leading to the economic development of the region. The college has over 300 associations, partnerships and/or affiliations with organizations in southeast Michigan. In addition to the traditional internships and co-operative education programs, the college assigns student groups to "service learning" projects benefiting many organizations, including the University of Michigan Hospitals, Ford Motor Corp., SOS Community Services, Masco Corp., Huron Valley Ambulance and many others. The COB has provided a corporate custom MBA program to Masco Corporation at Masco's training facility as part of EMU's "corporate partnership" initiative. In the summer of 2004, the COB announced the formation of its Professional Education Center, an organization that is charged with developing additional credit and non-credit programs customized to meet the needs of regional organizations. One of the major contracts held by the PEC currently is an executive training program for Women In Partnership with Inforum, formerly the Women's Economic Club of Detroit.

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The region's economic development has been enhanced through centers of excellence within the College of Business. The Center for Entrepreneurship is specifically intended to support the development of new enterprise in the region and provide services to developing businesses. The Strategic Human Resource Management Center has been providing human resource management education and certification to professionals throughout southeast Michigan for more than five years, receiving multiple awards and recognition from the national Society for Human Resource Management. To further its mission to enhance regional economic development the COB has also committed a suite of offices on the third floor of the Owen Building to establish the Office of Business Partnership Program. These offices house the regional headquarters of the Michigan Small Business & Technology Development Center (SBTDC), the Southern Michigan U.S. Export Assistance Center, the Center for Entrepreneurship, the Biz Resource Center for small businesses and students, and the Washtenaw County, Ypsilanti SmartZone Center. Other new strategic initiatives include programs in Supply Chain Management, International Business, and Integrated Marketing Communications.

The College of Business is currently housed in the Gary Owen Building, built in 1990, and situated on Michigan Avenue roughly a mile from EMU's Main campus. This building comprises the instructional facility for more than 3,500 students, both day and evening, who represent the ethnic and socio-economic diversity of the region as well as having a significant international component. Sixty-nine undergraduates (3%) and 192 graduate students (24%) from over 30 countries help to make the business programs and activities not only diverse, but truly international. In Fall 2007, College of Business programs attracted 34% of the university's international students (e.g., 28% of undergraduates and 36.6% of graduates). Although the Owen Building, poses some challenges for the College of Business, renovations or changes have not been identified at this time as the highest priority for the University in the next five years.

College of Education

For more than 150 years, Eastern Michigan University's College of Education (COE) has played a major state and national role in the preparation of teachers, other school personnel and related professionals. EMU has a historic and valued place as the first "normal school" west of the Alleghenies. Eastern was among the first institutions involved with the preparation of physical educators and special education teachers. The College of Education is one of the nation's largest preparers of professional education personnel, offering programs at the bachelor's, master's, specialist's and doctoral degree levels. The college's programs have received a number of national recognitions, are fully accredited by the National Council for the Accreditation of Teacher Education (NCATE), and are approved by the Michigan Department of Education. In almost every instance where a program-specific national recognition exists, the EMU College of Education holds this recognition at the highest level. Through its Office of Collaborative Education, the college has created numerous partnerships with local school districts that are interested in enhancing a variety of school improvement activities. Additionally, the Office of

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Urban Education and Educational Equity has been instrumental in the recruiting, retention, and achievement of our minority students.

Graduates from the College of Education are highly prized and are aggressively recruited at the national level. Our alumni hold many distinctions, including the Pulitzer Prize, National Student Teacher of the Year and National Teacher of the Year, and serve as presidents or executives of major national professional organizations. In addition, 26 COE graduates have received the prestigious Milken Family Foundation Award for teaching excellence in the classroom. Finally, over 1,200 of our students become certified teachers each year.

In July 1999, the entire College of Education was relocated to the John W. Porter Building. This building was a \$13,816,000 renovation of the former campus library that was authorized in Public Act 19 (P.A. 19) of 1993. Thus, we have no short term capital outlay requests for this college. However, most of the pressing technological requests for the College of Education were initially addressed in 1999. Since that time, college development resources have been used to refresh and address expanded technology needs. With continued and additional expansion of technology and users, the facility requirements for the EMU College of Education will need to be addressed through a more stable refreshment program if we are to continue to deliver our comprehensive and diversified academic programs for the next five years.

Several programs in the College of Education are accredited by disciplinary organizations, which frequently list standards for quality of program space:

- *Department of Leadership and Counseling* (Community, college and school counseling programs are accredited by the Council for Accreditation of Counseling and Related Educational Programs.)
- *Department of Special Education* (Speech-language pathology program accredited by the American Speech-Hearing Association; hearing impaired program accredited by the Council on Education for the Deaf.)
- *Department of Teacher Education* (Accredited by the National Council for the Accreditation of Teacher Education.)

College of Health & Human Services

The College of Health and Human Services (CHHS) prepares professionals with the knowledge and skills to enhance quality of life for Michigan residents and facilitate social change in the following schools of Health Promotion and Human Performance, Health Sciences, Nursing, Social Work, and Gerontology. The College of Health and Human Services is located in the Porter Building, the Warner Building, Roosevelt Hall, and the Marshall Building. Administrative space is provided in the Marshall Building for the dean's office and three of the four schools, as well as laboratories and classrooms for the whole college. Roosevelt and

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Warner provide classroom and laboratory space, and Porter houses the School of Health Promotion and Human Performance. Both Roosevelt and Warner are badly in need of some improvements, but are not in the magnitude of total building renovation. The needs will be addressed in the University's deferred maintenance program.

Several programs in the College of Health and Human Services are accredited by disciplinary organizations, which frequently list standards for quality of program space:

- *School of Health Promotion and Human Performance* (Athletic training accredited by the Commission on Accreditation of Allied Health Education Programs and the Joint Review Committee on Education Planning and Athletic Training; health education accredited by the Michigan Department of Education/National Council for the Accreditation of Teacher Education; orthotics and prosthetics is accredited by the National Commission on Orthotics and Prosthetics Education; physical education is accredited by the National Association of Sport and Physical Education/National Council for the Accreditation of Teacher Education.)
- *School of Health Sciences* (Clinical laboratory sciences program accredited by the National Accreditation Agency for Clinical Laboratory Sciences; occupational therapy accredited by the Accreditation Council for Occupational Therapy Education; dietetics accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association.)
- *School of Nursing* (Accredited by the Commission on Collegiate Nursing Education.)
- *School of Social Work* (Accredited by the Council on Social Work Education.)

College of Technology

The College of Technology (COT) is dedicated to excellence in the delivery of professional programs in the School of Technology Studies, Military Science and Leadership, Textile Research and Training, and Engineering Technology that are current and relevant in today's world. Program offerings are based on the philosophy that technology and management studies enhance learning; their application is vital in the creation and discovery of new knowledge. Graduates of COT programs are better prepared to function in an ever changing global technological environment and to assume leadership roles in organizations, corporations, government agencies and institutions of higher education throughout the world. Today's College of Technology has become an integral component of the University's mission, allowing students to be better prepared to compete globally. With a reputation for excellence and innovation, the College of Technology continues to meet the changing needs of students and employers today.

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Although hindered by being housed primarily in Sill (1965) and Roosevelt (1928) Halls, the college has made great strides in the development and delivery of relevant programs and educational experiences for students. The greatest challenge facing the college at present is the need for facility modernization that would address both the shortage of appropriate facilities and less than adequate teaching and laboratory environments for many classes and research activities.

The need for a new integrated applied technology facility is the top priority as the University attempts to stay up-to-date in educational delivery, student learning experiences and faculty research. Faculty members from the College of Technology and the College of Arts and Sciences began working on a program statement for an interdisciplinary applied technology and integrated arts facility during fiscal year 2007. No architectural firm has yet been identified to assist the faculty committee.

Several programs in the College of Technology are accredited by disciplinary organizations, which frequently list standards for quality of program space:

- *School of Engineering Technology* (Construction Management accredited by the American Council for Construction Education; Computer-Aided Design, Manufacturing Technology and Polymers and Coatings technology accredited by the National Association of Industrial Technology; Interior Design accredited by the Foundation for Interior Design Education and Research.)
- *School of Technology Studies* (Aviation Management, Communication Technology and Industrial Distribution accredited by the National Association of Industrial Technology; Hospitality Management program accredited by the Council on Hotel, Restaurant and Institutional Education; Legal Assistant (Paralegal Studies) program accredited by the American Bar Association; Network and Information Technology Administration, Marketing Education, Technology Education — folio approved by the National Council for Accreditation of Teacher Education/International Technology Educational Association/Council on Technology Teacher Education.)

Other Academic Units

Library

The Bruce T. Halle Library houses the University Library, Bruce K. Nelson Faculty Development Center, Holman Learning Center, Academic Technology and Computing Services and Paradox Cafe. With over 949,000 volumes, 200 indexes and databases, and 20,000 full-text journals, the library provides an array of resources that supports teaching, learning and research to facilitate the intellectual, scientific and artistic pursuits of the University. Beyond basic library instructions for freshmen, sophomores and transferring students, the library offers subject

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oriented information literacy classes at the 300-400 levels as well as research workshops for graduate students. Individual research consultations are available by appointment where librarians work directly with students on specific research problems. The 218,000 square foot library offers 2,250 seats for faculty and students, over 500 computers in labs and public areas, 1,500 network ports, and wireless access to Internet throughout the Library.

At the time when Halle Library opened in 1998, decisions were made, due to budget constraints, to limit the size of the Automatic Retrieval Collection (ARC) and the University Archives areas. These areas remain a need for the Library and will be addressed in the University's Strategic Initiatives.

Information and Communications Technology (ICT)

ICT occupies the basement of Pray-Harrold and a portion of the first floor of the Halle Library. There are no short term capital outlay requests independent of the projects described in the section for the College of Arts and Sciences.

The vision of ICT is: "Through the innovative and competitive use of information technology, EMU will strategically achieve excellence in instruction and learning, research and creative activity, personal growth, and service to fulfill its mission."

Through leadership and information technology, ICT's mission is to provide excellent information services. To provide access to information and quality technology resources; to provide leadership and innovation in IT planning; to implement efficient IT infrastructures and effective information systems; to deliver responsive support service to students, faculty, and staff; and build solid partnerships with key constituencies—both internal and external.

The ICT Division provides visionary leadership and sound management for the effective integration of information technology, resources, and services in support of student life; administrative services; and the teaching, learning, research, and service missions of the university – which are supported by the following ICT departments:

- **Academic Technology and Computing Support (ATCS)**. This group performs first-line campus wide support; and includes Instructional Technology, Computer Labs, Help Desk, and the Computer Store.
- **Network and Systems Services**. The backroom team serving network infrastructure, data center and servers. The teams included are Systems Integration and Maintenance, Network Systems Engineering and Enterprise Data Center Operations.
- **Enterprise Applications Services**. This department supports the core ERP (Banner) and peripheral systems, system administration and development services for the

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Portal, the Banner self service functions, and the ICT website, and backroom technical services for Oracle databases.

- **Information Technology Security.** This group coordinates the implementation of Security best practices in order to protect EMU assets through the strengthening and control of data access, security policies, security awareness, authentication and encryption. Data Incident Response Team reports to this group.
- **Project Management Office.** The PMO provides the methodology, portfolio reporting, and consulting for project management services.
- **Business Operations.** Manages the human and budgetary resources, coordinates the IT governance, and plans ICT initiatives to ensure proper alignment with the mission.

Continuing Education

Continuing Education provides leadership to the campus in extending Eastern Michigan University to its communities. As the primary delivery structure for off-campus programs, Continuing Education works closely with academic departments and colleges as well as student service areas to serve students both on campus and beyond. Because its programs are offered off campus, we have no short term capital outlay requests for Continuing Education.

EMU programs offered via Continuing Education are varied in both geographic distribution and program type. Courses are offered in traditional and compressed formats, distance learning, and contract programs. Off-campus centers are maintained in Brighton, Detroit, Flint, Jackson, Livonia, Monroe, and Traverse City. Courses and programs may also be delivered at non-EMU locations such as Grand Rapids in partnership with Grand Valley State University, Daimler Chrysler, and Foote Hospital, to name a few. Programs are also offered internationally in partnership with foreign institutions, for example the Human Resource and Organizational Development masters degree in China.

Continuing Education is also responsible for EMU-Online, Eastern Michigan's online course delivery unit. More than 357 courses have been developed and enrollments are increasing 20% annually. Ten full degree programs have been developed for online delivery, including our newest program, Intergraded Marketing Communication.

Continuing Education continues to expand within the region, and internationally. EMU-Livonia will expand again this year to serve the growing off campus student population. In addition to the partnership with the Tianjin Normal University, there are discussions with other potential university partners in China interested in GIS and Quality programs. These programs can be delivered in a hybrid format, face-to-face and online, and help further the internationalization of the curriculum and broaden the knowledge and experience of the faculty.

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On campus, Continuing Education delivers programming on weekends using various campus buildings and the Eagle Crest Conference Center. In addition, technology can be used to deliver programs between campus and distance sites.

Continuing Education also provides a number of non-credit offerings which meet the life-long learning needs of the southeast region of Michigan.

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Enrollment and Faculty/Staff

- Executive Summary
- Enrollment Forecasts
- Faculty Productivity
- FTE Enrollment by College

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EXECUTIVE SUMMARY

Eastern Michigan University has a strong history of commitment to high student access to quality programs. It is even more vital today to keep the doors of opportunity open to all of Michigan's citizens. The University plans to more aggressively attract students of opportunity, both traditional college-age youth who benefit significantly from EMU's rich on-campus life and commitment to holistic student development, and less traditional student populations requiring advanced degrees, programs tailored to employment needs, and distributed online courses, which are so essential for the information-age economy.

The following table reflects the total fall headcount enrollment of undergraduate and graduate students for the previous five years. Also included are fiscal-year equated students.

Fall Headcount Enrollment

Fall Headcount Enrollment				Fiscal Year Equated Students**	
Fall	Undergraduate Students*	Graduate Students	Total	Fiscal Year	FYES**
2003	19,668	4,751	24,419	2003-04	19,579
2004	19,000	4,862	23,862	2004-05	18,947
2005	18,666	4,820	23,486	2005-06	18,775
2006	18,244	4,705	22,949	2006-07	18,558
2007 ***	18,009	4,899	22,909	2007-08***	18,458

* Teacher certification students are classified at the undergraduate level.

** Reflecting mandatory state definitions for undergraduate students, "Fiscal-Year Equated" means 30 student credit hours in a fiscal year period. For graduate students seeking a master's degree, "Fiscal-Year Equated" means 24 student credit hours in a fiscal year and for graduate students seeking a specialist or doctoral degree, "Fiscal-Year Equated" means 16 student credit hours in a fiscal year.

*** Forecasted; totals may not equal the sum due to rounding errors.

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The University's enrollment consists of three major categories: First Time in Any College (FTIAC); transfer students; and graduate students. Since 1995, with the exception of 2001-02, the number of high school graduates has increased in the State of Michigan. However, the population estimates for the FTIACs and undergraduate transfer market are expected to gradually decline over the next few years.

Eastern Michigan University is strongly committed to working with southeastern Michigan community colleges to enhance access to a four year public university education. Initiatives presently underway at the University include improved collaboration with the community colleges, expansion of the number of transfer articulation agreements and improvements in the overall transfer process for community college students. EMU currently has 70 articulation agreements in place with 12 community colleges and two four-year institutions. This compares favorably to 2005 when there were 57 articulation agreements in place.

Eastern Michigan University places a high value on the retention of its students. One of the many outcomes of the strategic planning process has been to implement a comprehensive, campus-wide approach to the retention of students. This approach includes the following initiatives:

1. The development of a retention tracking system
2. Student use of the Holman Learning Center
3. Review of the general education curriculum
4. Creation of academic advising offices in each college
5. Mandatory freshman orientation
6. First year mentorship and freshman advising
7. Expansion of summer incentive program
8. Continuation of the Commuter and Transfer Student Admission Team

The Fall 2006 to Winter 2007 student retention rate for undergraduate students held steady at 82 percent, while the retention rate for first-time freshmen was 92.8 percent.

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ENROLLMENT and FACULTY/STAFF**

The tables below set forth the total number of FTIAC and transfer applications received and accepted, and the number of undergraduate students enrolled for the fall semesters indicated.

FTIAC Admissions*

Fall Semester	Applications Semester	Applications Accepted	Percent Accepted	Students Enrolled	Percent Enrolled
2003	8,898	7,049	79.2%	2,580	36.6%
2004	8,483	6,645	78.3%	2,354	35.4%
2005	10,151	8,041	79.2%	2,387	29.7%
2006	9,915	7,854	79.2%	2,348	29.9%
2007	9,736	7,290	74.9%	2,448	33.6%

Transfer Student Admissions

Fall Semester	Applications Received	Applications Accepted	Percent Accepted	Students Enrolled	Percent Enrolled
2003	3,008	2,413	80.2%	1,685	69.8%
2004	3,069	2,392	77.9%	1,626	68.0%
2005	3,299	2,530	76.7%	1,694	67.0%
2006	3,272	2,532	77.4%	1,662	65.6%
2007	3,460	2,590	74.9%	1,648	63.6%

* Excludes dual high school enrollments and guest students.

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Approximately 80 percent of the entering first-year class submits only ACT scores. SAT scores are submitted primarily by out-of-state and foreign students. The following table sets forth for each entering fall first-year class for the years indicated the mean ACT composite and the SAT total average scores. Average ACT Composite Scores for the entering first-year class have risen steadily over the past five years and now are at the national average.

ACT and SAT Scores – Entering First Year Class, Fall Term

	2003	2004	2005	2006	2007
ACT (Composite)	20.67	20.70	21.00	21.06	21.21
SAT Total (Average)	1,017	1,011	1,028	1,035	1,023

High School GPA, Entering First Year Class, Fall Term

	2003	2004	2005	2006	2007
GPA	3.05	3.05	3.07	3.06	3.04

New transfer enrollments of 1,648 fell slightly from last year's enrollments of 1,928 but well ahead of fall 2004. Growth was strong in transfer students from both two-year and four-year institutions.

The University's preliminary faculty and staff count for 2007 totals approximately 1,928 full-time employees. There are approximately 785 full-time faculty and lecturers, 223 administrative professionals, 373 professional/technical employees, 284 clerical/secretarial employees, 199 Food Service/Maintenance staff, 20 police personnel and 44 coaches.

Faculty members are arguably EMU's principal human resource. The scholarly and creative accomplishments of EMU's faculty are the strength of the University. Faculty includes, professors, associate professors, assistant professors, instructors, and librarians with faculty rank. Faculty performs a full range of duties and traditional responsibilities at higher education institutions, including teaching, research, scholarly and/or creative activity and service.

For fall 2006 (the latest officially reported data) the number of ranked faculty was 688, tenured faculty was 514 (74.7 percent) and those holding doctorates or terminal degrees in their discipline from accredited institutions was 581 (84.4 percent). There were 103 full-time lecturers and 479 adjunct lecturers.

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The following table summarizes the various employee groups at the University as of Fall 2007:

Employee Group	Current Membership	Represented By	Expiration Date of Current Contract	Date of First Contract
Administrative Professional	223	N/A	N/A	N/A
Athletic Coaches	44	N/A	N/A	N/A
Confidential Clerical	11	N/A	N/A	N/A
Food & Maintenance	199	AFSCME ⁽¹⁾	6/30/07*	1966
Clerical & Secretarial	273	UAW 1975 ⁽²⁾	6/30/07*	1975
Professional & Technical	373	UAW 1976	6/30/10	1976
Police Sergeants	4	POLC ⁽³⁾	6/30/08	1974
Police Officers	16	POLC	6/30/09	1973
Faculty	687	AAUP ⁽⁴⁾	8/31/10	1974
Full-Time Lecturers	98	EMU-FT ⁽⁵⁾	4/30/10	2001

(1) American Federated State County and Municipal Employees

(2) United Auto Workers

(3) Police Officers Labor Council

(4) American Association of University Professors

(5) Affiliated with Michigan Federated Teachers

The remainder of this section includes exhibits reflecting enrollment forecasts, enrollment history, faculty productivity, and faculty full-time equivalency.

* *Currently working under the expired contract, pending settlement*

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ENROLLMENT and FACULTY/STAFF**

TOTAL UNIVERSITY
ENROLLMENT FORECAST
DETAIL BY STUDENT CATEGORY
2007-2008

SUMMER 2007	RESIDENT			NON-RESIDENT			TOTAL		
	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS
FTIAC Regular	89	5.69	506	4	6.50	26	93	5.72	532
FTIAC Dual	1	3.00	3	0			1	3.00	3
Freshmen	144	4.24	610	4	2.33	10	148	4.18	620
Sophomores	461	4.40	2,030	23	2.88	67	485	4.33	2,097
Juniors	832	4.34	3,610	29	2.29	65	860	4.27	3,675
Seniors	2,542	4.54	11,539	46	3.08	142	2,588	4.51	11,681
Second Bach.	105	4.38	459	10	2.10	22	115	4.17	481
Teacher Certs.	230	4.67	1,075	0			230	4.67	1,075
Non-Degree	327	4.17	1,362	23	2.69	61	349	4.08	1,423
Undergraduate Subtotal	4,730	4.48	21,194	139	2.83	393	4,869	4.43	21,587
Masters	1,330	3.81	5,066	85	2.21	187	1,414	3.71	5,253
Specialist	41	3.57	147	0			41	3.58	147
Doctorate	69	2.35	162	14	2.33	33	83	2.34	195
Teacher Certs.	12	3.30	38	0			12	3.30	38
Non-Degree 12 Hrs.	21	3.63	78	2	2.50	6	24	3.56	84
Non-Degree	405	3.07	1,243	2	4.50	9	407	3.08	1,252
Cert. of Completion	112	3.22	360	8	2.57	21	120	3.18	381
Degree Pending	9	5.40	50	1	2.00	2	10	5.05	52
Graduate Subtotal	1,998	3.57	7,144	113	2.29	258	2,111	3.51	7,402
SUMMER TERM ENROLLMENT	6,729	4.21	28,338	252	2.59	651	6,980	4.15	28,989

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ENROLLMENT and FACULTY/STAFF**

**TOTAL UNIVERSITY
ENROLLMENT FORECAST
DETAIL BY STUDENT CATEGORY
2007-2008**

FALL 2007	RESIDENT			NON-RESIDENT			TOTAL		
	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS
FTIAC Regular	2,310	14.41	33,277	60	14.26	856	2,370	14.40	34,133
FTIAC Dual	80	4.31	345	0			80	4.31	345
Freshmen	1,058	11.77	12,454	55	12.44	689	1,114	11.80	13,143
Sophomores	3,204	12.50	40,050	128	13.72	1,752	3,332	12.55	41,802
Juniors	3,447	11.76	40,530	99	12.48	1,237	3,546	11.78	41,767
Seniors	6,237	10.96	68,346	149	10.62	1,583	6,386	10.95	69,929
Second Bach.	401	8.24	3,301	48	6.49	310	448	8.05	3,611
Teacher Certs.	459	9.53	4,378	1	6.00	6	460	9.52	4,384
Non-Degree	254	6.04	1,533	19	2.18	41	273	5.77	1,574
Undergraduate Subtotal	17,450	11.70	204,214	559	11.58	6,474	18,009	11.70	210,688
Masters	3,105	5.98	18,582	476	6.15	2,923	3,580	6.01	21,505
Specialist	52	3.97	208	1	8.00	8	53	4.05	216
Doctorate	128	4.52	577	20	6.41	131	148	4.78	708
Teacher Certs.	28	4.60	127	0			28	4.60	127
Non-Degree 12 Hrs.	88	5.45	481	17	4.94	86	106	5.37	567
Non-Degree	598	4.08	2,441	17	2.56	43	615	4.04	2,484
Cert. of Completion	308	5.01	1,545	29	6.42	189	338	5.13	1,734
Degree Pending	10	8.30	83	21	8.07	173	31	8.14	256
Graduate Subtotal	4,317	5.57	24,044	582	6.10	3,553	4,899	5.63	27,597
FALL TERM ENROLLMENT	21,767	10.49	228,258	1,141	8.79	10,027	22,909	10.40	238,285

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CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**TOTAL UNIVERSITY
ENROLLMENT FORECAST
DETAIL BY STUDENT CATEGORY
2007-2008**

WINTER 2008	RESIDENT			NON-RESIDENT			TOTAL		
	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS
FTIAC Regular	93	12.37	1,150	18	13.39	241	111	12.53	1,391
FTIAC Dual	21	3.33	70	0		0	21	3.33	70
Freshmen	2,431	13.62	33,110	78	13.27	1,031	2,509	13.61	34,141
Sophomores	2,830	12.65	35,800	125	13.07	1,638	2,955	12.67	37,438
Juniors	3,265	11.79	38,489	100	12.62	1,256	3,364	11.81	39,745
Seniors	6,492	11.07	71,859	146	11.33	1,655	6,638	11.07	73,514
Second Bach.	386	8.27	3,196	71	4.44	316	458	7.68	3,512
Teacher Certs.	432	9.91	4,282	0		0	432	9.91	4,282
Non-Degree	230	5.76	1,327	7	3.00	22	238	5.68	1,349
Undergraduate Subtotal	16,181	11.70	189,283	545	11.30	6,159	16,726	11.69	195,442
Masters	2,992	6.04	18,058	423	6.08	2,573	3,415	6.04	20,631
Specialist	67	4.15	280	1	1.00	1	68	4.12	281
Doctorate	129	4.58	593	20	5.65	110	149	4.72	703
Teacher Certs.	28	6.10	172	0		0	28	6.10	172
Non-Degree 12 Hrs.	103	5.28	544	23	5.06	118	126	5.24	662
Non-Degree	604	4.16	2,510	24	1.29	31	628	4.05	2,541
Cert. of Completion	341	4.97	1,695	38	6.68	252	379	5.14	1,947
Degree Pending	7	10.00	71	22	7.06	154	29	7.79	225
Graduate Subtotal	4,272	5.60	23,923	550	5.88	3,239	4,822	5.63	27,162
WINTER TERM ENROLLMENT	20,452	10.42	213,206	1,095	8.58	9,398	21,548	10.33	222,604

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**TOTAL UNIVERSITY
ENROLLMENT FORECAST
DETAIL BY STUDENT CATEGORY
2007-2008**

SPRING 2008	RESIDENT			NON-RESIDENT			TOTAL		
	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS
FTIAC Regular	16	5.89	94	9	9.00	81	25	7.00	175
FTIAC Dual	4	4.00	16	0			4	4.00	16
Freshmen	230	5.10	1,171	20	6.86	135	249	5.24	1,306
Sophomores	832	4.71	3,917	37	3.03	114	869	4.64	4,031
Juniors	1,369	4.95	6,776	52	3.56	186	1,421	4.90	6,962
Seniors	3,670	4.96	18,204	87	3.41	295	3,757	4.92	18,499
Second Bach.	168	4.91	827	43	1.88	82	212	4.29	909
Teacher Certs.	268	4.82	1,291	0			268	4.81	1,291
Non-Degree	337	4.14	1,395	32	3.44	110	369	4.08	1,505
Undergraduate Subtotal	6,894	4.89	33,691	280	3.58	1,003	7,174	4.84	34,694
Masters	1,676	3.64	6,107	206	2.79	576	1,882	3.55	6,683
Specialist	43	3.56	152	0			43	3.57	152
Doctorate	82	3.07	251	14	4.40	61	96	3.27	312
Teacher Certs.	18	3.44	61	0			18	3.45	61
Non-Degree 12 Hrs.	44	3.37	147	9	3.33	31	53	3.35	178
Non-Degree	443	3.52	1,561	7	0.63	4	450	3.48	1,565
Cert. of Completion	156	3.26	510	19	2.60	50	176	3.19	560
Degree Pending	7	4.83	35	1	3.00	3	8	4.63	38
Graduate Subtotal	2,468	3.58	8,824	256	2.83	725	2,725	3.50	9,549
SPRING TERM ENROLLMENT	9,362	4.54	42,515	537	3.22	1,728	9,899	4.47	44,243

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CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**TOTAL UNIVERSITY
ENROLLMENT FORECAST
DETAIL BY STUDENT CATEGORY
2007-2008**

FY2008	RESIDENT			NON-RESIDENT			TOTAL		
	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS	HEADCOUNT	CREDIT HR LOAD	STUDENT CREDIT HRS
FTIAC Regular	2,508	13.97	35,027	91	13.23	1,204	2,599	13.94	36,231
FTIAC Dual	106	4.09	434	0	0.00	0	106	4.09	434
Freshmen	3,863	12.26	47,345	157	11.89	1,865	4,020	12.24	49,210
Sophomores	7,327	11.16	81,797	314	11.38	3,571	7,641	11.17	85,368
Juniors	8,912	10.03	89,405	279	9.83	2,744	9,191	10.03	92,149
Seniors	18,941	8.97	169,948	428	8.59	3,675	19,369	8.96	173,623
Second Bach.	1,060	7.34	7,783	173	4.23	730	1,233	6.90	8,513
Teacher Certs.	1,390	7.93	11,026	1	5.81	6	1,391	7.93	11,032
Non-Degree	1,148	4.89	5,617	81	2.89	234	1,229	4.76	5,851
Undergraduate Subtotal	45,255	9.91	448,382	1,523	9.21	14,029	46,778	9.89	462,411
Masters	9,102	5.25	47,813	1,190	5.26	6,259	10,292	5.25	54,072
Specialist	203	3.87	787	2	5.14	9	205	3.88	796
Doctorate	408	3.88	1,583	68	4.93	335	476	4.03	1,918
Teacher Certs.	85	4.68	398	0	0.00	0	85	4.68	398
Non-Degree 12 Hrs.	256	4.87	1,250	52	4.61	241	309	4.83	1,491
Non-Degree	2,049	3.78	7,755	50	1.74	87	2,099	3.74	7,842
Cert. of Completion	918	4.48	4,110	94	5.42	512	1,012	4.57	4,622
Degree Pending	34	7.12	239	45	7.33	332	79	7.24	571
Graduate Subtotal	13,055	4.90	63,935	1,502	5.18	7,775	14,557	4.93	71,710
FY ENROLLMENT	58,310	8.79	512,317	3,025	7.21	21,804	61,335	8.71	534,121

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
THREE-YEAR PRODUCTIVITIES
(FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)**

COLLEGE	FY03/04	FY04/05	FY05/06	3-YEAR AVERAGE	FY06/07	Difference
Acad Retention Prog/UG Studies	20.37	23.19	24.82	22.42	31.92	9.50
Arts & Sciences	21.78	20.58	19.60	20.64	19.43	-1.21
Business	21.89	20.30	20.23	20.81	19.34	-1.47
Education	17.53	16.04	14.98	16.30	13.32	-2.98
Health & Human Services	10.97	13.36	13.22	12.70	13.07	0.38
Technology *	13.30	13.02	11.95	12.69	12.07	-0.62
Total-Academic Dept.	19.65	18.55	17.87	18.61	17.25	-1.36

Source: Calculated from full-year equated student (FYES) - Exhibit VI and full-time equated faculty (FTEP) - Exhibit V, excluding sabbaticals and dean's accounts.

* College of Technology productivity excludes Military Science credit hours.

Total-Academic Dept. includes Military Science credit hours.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
THREE-YEAR PRODUCTIVITIES
(FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)

ARTS & SCIENCES	FY03/04	FY04/05	FY05/06	3-YEAR AVERAGE	FY06/07	Difference
African-American Studies	17.91	15.94	15.49	16.45	15.38	-1.07
Biology	14.44	13.10	12.60	13.35	11.93	-1.42
Chemistry	15.95	17.55	16.52	16.66	18.23	1.57
Comm. & Theatre Art	19.98	18.69	18.36	18.98	18.31	-0.68
Computer Science	23.79	22.65	20.71	22.34	19.88	-2.46
Economics	17.69	16.37	16.95	17.04	16.23	-0.81
English	27.50	22.94	24.58	24.97	24.24	-0.74
Fine Arts	23.67	23.38	21.80	22.97	20.49	-2.48
Foreign Language	11.94	12.40	11.23	11.82	12.10	0.28
Geography & Geology	22.57	21.65	20.71	21.67	20.58	-1.10
History & Philosophy	31.55	28.98	26.70	29.05	27.21	-1.85
Mathematics	26.63	27.05	25.28	26.31	25.61	-0.70
Music	7.11					
Music & Dance		7.43	7.24		6.86	
Physics & Astronomy	25.91	22.52	23.35	23.89	21.02	-2.87
Political Science	30.46	25.69	24.77	26.83	24.65	-2.18
Psychology	27.14	23.58	26.06	25.56	26.82	1.26
Sociology	26.17	24.41	22.19	24.14	24.04	-0.10
Women's Studies	28.14	31.04	28.10	29.08	28.91	-0.17
Interdisciplinary Studies	28.26	26.32	25.04	26.33	24.44	-1.88
TOTAL	21.78	20.58	19.60	20.64	19.43	-1.21

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
THREE-YEAR PRODUCTIVITIES
(FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)

<u>BUSINESS</u>	<u>FY03/04</u>	<u>FY04/05</u>	<u>FY05/06</u>	<u>3-YEAR AVERAGE</u>	<u>FY06/07</u>	<u>Difference</u>
Accounting & Finance	22.07	20.88	21.23	21.39	18.98	-2.41
Computer Info Systems	15.86	15.34	14.20	15.15	16.10	0.95
Management	24.44	20.53	20.48	21.75	19.49	-2.27
Marketing	22.63	20.36	20.61	21.20	19.68	-1.51
Programs in Business Administration	31.59	54.44	51.63	43.11	43.37	0.26
TOTAL	21.89	20.30	20.23	20.81	19.34	-1.47

EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF
 EASTERN MICHIGAN UNIVERSITY
 THREE-YEAR PRODUCTIVITIES
 (FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)

EDUCATION	FY03/04	FY04/05	FY05/06	3-YEAR AVERAGE	FY06/07	Difference
HPER&D	21.79					
Leadership & Counseling	11.59	7.88	10.33	9.93	9.67	-0.27
Special Education	20.31	21.23	20.14	20.54	18.11	-2.43
COE-Office of Academic Serv.	12.32	12.68	12.05	12.34	9.82	-2.52
Teacher Education	18.63	18.82	16.13	17.82	14.74	-3.08
EDUCATION	17.53	16.04	14.98	16.30	13.32	-2.98

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
THREE-YEAR PRODUCTIVITIES
(FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)

COLLEGE OF HEALTH AND HUMAN SERVICES	FY03/04	FY04/05	FY05/06	3-YEAR AVERAGE	FY06/07	Difference
Assoc. Health Profess.	10.57					
School of Health Sciences		7.39	9.93		9.97	
School of Hlth Promotion/Hmn Perf		22.22	21.30		20.87	
HECR	12.31					
School of Nursing	8.34	7.56	6.69	7.43	6.88	-0.55
School of Social Work	11.81	11.72	11.49	11.66	11.38	-0.28
Gerontology	1.73	2.15	2.56	2.16	2.14	-0.01
Interdisciplinary Studies						
TOTAL	10.97	13.36	13.22	12.70	13.07	0.38

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
THREE-YEAR PRODUCTIVITIES
(FULL-YEAR EQUATED STUDENTS PER FULL-TIME EQUATED FACULTY)

TECHNOLOGY	FY03/04	FY04/05	FY05/06	3-YEAR AVERAGE	FY06/07	Difference
Business & Technology Ed.	15.99					
Industrial Technology	11.12					
Interdisc. Technology						
School of Engineering Technology		9.82	9.15		9.52	
School of Technology Studies		15.49	13.95		14.01	
College of Technology Interdisc Studies						
TOTAL	13.30	13.02	11.95	12.69	12.07	-0.62

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY
COLLEGE SUMMARY**

COLLEGE	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
Acad Retention Prog/UG Studies	2.62	1.73	2.48	1.68	1.53	1.12	0.94	0.85
Arts & Sciences	479.95	480.50	481.54	495.31	494.43	498.02	510.71	510.57
Business	84.90	88.78	83.61	89.07	89.09	89.51	88.04	93.12
Education	148.95	154.16	156.21	165.27	165.43	119.56	131.43	136.81
Health & Human Services	75.37	78.07	67.34	70.29	69.84	98.86	106.25	106.22
Technology	<u>50.61</u>	<u>54.32</u>	<u>50.25</u>	<u>53.94</u>	<u>51.11</u>	<u>67.79</u>	<u>71.80</u>	<u>69.09</u>
Subtotal-Academic Dept.	842.40	857.56	841.43	875.56	871.43	874.86	909.17	916.66
Dean's Accounts	8.98	4.96	3.79	2.76	3.87			
Honors Program Reserve	<u>0.20</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>			
Subtotal-Instruction	851.58	862.52	845.22	878.32	875.31	874.87	909.18	916.65
Sabbaticals - Instruction	8.50	13.85	10.00	9.00	8.50	7.00	10.00	12.25
UNIVERSITY TOTAL	860.08	876.37	855.22	887.32	883.81	881.87	919.18	928.90

Note: 2004/05 reflects reorganization of departments within the various colleges. Please see the reorganization notes at end.

Source: Faculty Appointment Analysis

Office of Institutional Research and Information Management, Updated: 10/01/2007

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**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY

COLLEGE OF ARTS & SCIENCES	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
African-American Studies	4.15	3.95	3.93	3.86	4.65	4.65	4.61	4.28
Art	30.00	32.57	29.63	30.66	30.25	31.70	33.73	32.42
Biology	24.29	24.79	24.04	24.29	24.90	24.03	25.67	26.45
Chemistry	24.32	22.55	21.82	24.66	24.39	26.42	25.84	27.04
Comm. & Theater Art	44.24	46.94	47.05	44.51	45.59	45.64	49.26	50.77
Computer Science	21.63	19.55	19.14	21.79	21.08	18.16	18.26	17.55
Economics	13.08	13.00	14.05	13.50	13.74	14.40	13.73	13.79
English	72.78	70.59	71.19	75.05	76.06	74.18	71.53	73.93
Foreign Lang & Bilingual Studies	26.33	27.23	26.62	27.25	27.25	26.47	30.82	30.00
Geography & Geology	21.49	22.53	21.16	24.44	23.69	22.11	21.64	20.82
History & Philosophy	35.82	34.58	36.07	39.16	37.20	36.95	38.23	36.31
Mathematics	35.07	34.74	34.25	36.21	34.85	32.95	34.31	34.72
Music	38.16	38.45	40.22	38.48	40.30			
Music & Dance						43.71	44.96	46.60
Physics & Astronomy	15.03	15.22	15.83	16.22	15.80	17.11	15.87	17.15
Political Science	21.25	20.46	19.73	21.51	20.00	22.18	22.84	21.86
Psychology	24.49	25.86	27.45	25.92	27.50	28.95	27.44	26.61
Sociology	23.51	23.04	24.64	24.18	23.67	24.67	27.87	26.32
Women's & Gender Studies	3.96	3.96	4.24	3.23	3.05	3.15	3.41	3.44
Interdisciplinary Studies	<u>0.35</u>	<u>0.49</u>	<u>0.48</u>	<u>0.38</u>	<u>0.46</u>	<u>0.59</u>	<u>0.69</u>	<u>0.54</u>
TOTAL -	479.95	480.50	481.54	495.31	494.43	498.02	510.71	510.57
Dean's Account	2.84	2.05	0.25	0.58	1.23			
Sabbaticals	6.00	8.50	5.50	5.50	6.50	4.50	8.00	8.75

Note: Totals may not precisely equal sum of entries due to rounding error.

Office of Institutional Research and Information Management, Updated 10/01/2007

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**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY**

COLLEGE OF BUSINESS	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
Accounting	20.82	20.63						
Accounting & Finance			27.15	29.71	30.12	30.40	29.86	33.61
Computer Info Sys			19.08	17.41	16.83	15.80	15.88	14.45
Finance & Computer Info Sys	23.56	25.91						
Management	22.73	20.77	17.83	21.43	21.69	23.86	22.84	23.11
Marketing	<u>17.79</u>	18.77	16.80	18.38	17.64	17.85	17.78	19.93
Programs in Business Admin.		<u>2.70</u>	<u>2.75</u>	<u>2.14</u>	<u>2.83</u>	<u>1.60</u>	<u>1.70</u>	<u>2.03</u>
TOTAL -	84.90	88.78	83.61	89.07	89.09	89.51	88.06	93.12
Dean's Account	0.35	0.00	0.00	0.00	0.00			
Sabbaticals	0.50	1.50	2.50	1.50	0.50	0.50	1.00	2.00

Note: Totals may not precisely equal sum of entries due to rounding error.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY**

COLLEGE OF EDUCATION	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
HPER&D	36.78	38.24	37.90	38.62	37.01			
Leadership & Counseling	18.56	17.76	15.94	17.97	16.48	16.74	17.98	16.62
Special Education	25.15	24.75	24.52	24.66	24.24	22.48	24.63	27.59
COE-Office of Academic Serv.	24.67	27.17	31.00	32.38	35.45	33.02	35.82	41.23
Teacher Education	<u>43.79</u>	<u>46.25</u>	<u>46.86</u>	<u>51.64</u>	<u>52.25</u>	<u>47.32</u>	<u>53.00</u>	<u>51.37</u>
TOTAL -	148.95	154.16	156.21	165.27	165.43	119.56	131.43	136.81
Dean's Account	3.71	2.91	3.54	2.05	1.18			
Sabbaticals	1.00	1.35	1.00	0.50	0.50	0.50	0.50	1.00

Note: Totals may not precisely equal sum of entries due to rounding error.

Office of Institutional Research and Information Management, Updated: 10/01/2007
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**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY**

COLLEGE OF HEALTH AND HUMAN SERVICES	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
Assoc. Health Professions	14.65	15.36	12.35	11.64	12.72			
School of Health Sciences						22.75	23.45	25.02
School of Hlth Promotion/Hmn Perf						33.31	33.72	33.08
Human Envir. & Cons. Res.	14.34	17.20	15.90	20.27	18.44			
School of Nursing	19.88	20.71	18.07	16.21	17.84	22.25	25.82	22.76
School of Social Work	22.49	20.77	18.36	19.70	18.74	18.11	20.96	22.46
Gerontology	4.01	4.03	2.66	2.48	2.10	2.44	2.30	2.78
Interd. Hlth/Hum. Serv.	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.13</u>
TOTAL -	75.37	78.07	67.34	70.29	69.84	98.86	106.25	106.22
Dean's Account	1.66	0.00	0.00	0.00	1.43			
Sabbaticals	1.00	1.50	1.00	1.00	0.50	1.00	0.50	0.50

Note: Totals may not precisely equal sum of entries due to rounding error.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
FACULTY AND LECTURER ALLOCATIONS/UTILIZATION
FULL-TIME EQUIVALENCY**

COLLEGE OF TECHNOLOGY	FY99/00 ACTUAL	FY00/01 ACTUAL	FY01/02 ACTUAL	FY02/03 ACTUAL	FY03/04 ACTUAL	FY04/05 ACTUAL	FY05/06 ACTUAL	FY06/07 ACTUAL
Business & Technology Ed.	10.48	12.65	12.71	11.85	11.39			
Industrial Technology	21.58	23.05	19.90	21.08	21.27			
Interdisciplinary Tech.	<u>18.55</u>	<u>18.62</u>	<u>17.64</u>	20.96	18.45			
School of Engineering Technology						30.66	32.53	32.89
School of Technology Studies						37.13	39.27	36.20
College of Tech Interdisc. Studies						0.00	0.00	
College of Technology-Misc.				<u>0.05</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	
TOTAL -	50.61	54.32	50.25	53.94	51.11	67.79	71.80	69.09
Dean's Account	0.42	0.00	0.00	0.13	0.03			
Sabbaticals	0.00	1.00	0.00	0.50	0.50	0.50	0.00	0.00

Note: Totals may not precisely equal sum of entries due to rounding error.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

2004-05 Department Reorganization

College of Arts and Sciences

Music: became Music and Dance with the addition of Dance majors from HPER&D (Health, Physical Education and Dance) in the College of Education.

College of Business

No Changes.

College of Education

HPER&D: Dance was moved to Music and Dance in the College of Arts and Sciences.

All other majors were moved to the new School of Health Promotion & Human Performance in the College of Health & Human Services.

College of Health & Human Services

Associated Health Professions became the new School of Health Sciences.

Majors added to the School of Health Sciences were, Dietetics, Human Nutrition from HECR (Human, Environmental, and Consumer Resources) and Therapeutic Recreation from GPER&D in the College of Education.

HECR: majors were moved to other departments: The Hotel & Restaurant Management and Apparel, Textile Merchandising majors were moved to the new Technology Studies in the College of Technology.

Technology Studies In the College of Technology. The Interior Design major was moved to the new School of Engineering Technology in the College of Technology.

College of Technology

The Business & Technology Education department was moved to the new School of Technology Studies.

The Interdisciplinary Technology department was moved to the new School of Technology Studies.

Industrial Technology was moved to the new School of Engineering Technology.

The Interior Design major was moved to the School of Engineering Technology from HECR in the College of Health & Human Services.

**EASTERN MICHIGAN UNIVERSITY
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ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY COLLEGE - FISCAL YEAR
FULL-YEAR EQUATED STUDENT**

COLLEGE	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
Acad Retention Prog/UG Studies	24.87	33.68	28.45	41.50	31.43	31.17	25.97	23.33	27.13
Arts & Sciences	10,269.53	10,434.85	10,398.99	10,983.10	11,067.02	10,771.05	10,247.00	10,011.50	9,919.79
Business	1,791.42	1,801.11	1,949.41	2,159.75	2,086.18	1,950.59	1,817.38	1,781.29	1,801.39
Education	2,241.94	2,283.00	2,366.89	2,526.14	2,742.02	2,900.15	1,918.25	1,968.31	1,822.52
Health & Human Services	840.67	788.00	752.67	738.85	751.69	765.81	1,320.81	1,404.16	1,388.71
Technology	<u>652.30</u>	<u>646.08</u>	<u>655.22</u>	<u>737.94</u>	<u>699.02</u>	<u>679.57</u>	<u>882.84</u>	<u>858.11</u>	<u>834.22</u>
Subtotal-Academic Dept.	15,820.73	15,986.72	16,151.63	17,187.28	17,377.36	17,098.34	16,212.25	16,046.70	15,793.76
Military Science & Leadership	26.13	25.58	24.55	23.80	24.10	22.33	19.73	15.77	18.47
Total Academic Departments	15,846.86	16,012.30	16,176.18	17,211.08	17,401.46	17,120.67	16,231.98	16,062.47	15,812.22
Continuing Education	1,536.24	1,864.00	1,879.08	1,928.22	2,065.04	2,065.04	2,537.24	2,646.61	2,670.54
UNIVERSITY TOTAL -	17,383.10	17,876.30	18,055.26	19,139.30	19,466.50	19,185.71	18,769.22	18,709.08	18,482.76

Note: Beginning with fiscal year 1986-87, Continuing Education is separated from the on-campus instruction.
 FYES is based upon 31 credit hours per year until 2001/02 when FYES began to be based upon 30 credit hours per year.
 Totals may not precisely equal sum of entries due to rounding error.

2004/05 reflects reorganization of departments within the various colleges. Please see the reorganization notes at end.

Source: Faculty Course Assignment Summary by Account - Full Year

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY DEPARTMENT - FISCAL YEAR
FULL-YEAR EQUATED STUDENT

COLLEGE OF ARTS & SCIENCES	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
African-American Studies	94.19	88.17	88.56	95.44	90.08	83.28	74.10	71.42	65.83
Art	396.24	401.45	398.32	416.44	441.95	436.70	415.13	425.02	386.74
Biology	407.34	392.31	377.74	395.89	396.45	397.18	421.61	424.05	482.27
Chemistry	458.52	461.81	438.38	458.73	472.91	487.20	493.70	474.30	494.98
Communication & Theatre Art	1,023.65	1,055.61	1,092.50	1,143.26	1,108.51	1,084.43	1,033.76	1,020.08	1,009.40
Computer Science	495.04	504.83	466.54	454.56	427.25	372.97	297.23	309.48	284.85
Economics	342.02	334.53	350.68	373.32	366.05	377.79	330.35	337.46	334.21
English	1,610.66	1,694.84	1,698.92	1,780.58	1,806.31	1,800.19	1,734.49	1,559.07	1,514.94
Foreign Lang & Bilingual Studies	323.01	326.59	325.66	324.33	321.65	325.27	328.12	346.12	362.95
Geography & Geology	592.05	598.91	575.02	619.22	619.75	534.76	478.66	448.18	428.38
History & Philosophy	1,057.12	1,048.54	1,043.05	1,153.07	1,217.83	1,173.64	1,070.81	1,020.59	987.92
Mathematics	877.91	878.49	869.08	926.38	936.48	928.16	891.20	867.50	889.31
Music	285.27	296.62	289.66	300.11	295.11	286.48			
Music & Dance							324.60	325.40	319.60
Physics & Astronomy	351.40	360.74	333.30	364.01	400.98	409.37	385.35	370.57	360.49
Political Science	529.39	553.24	559.13	610.72	627.64	609.16	569.88	565.68	538.93
Psychology	734.61	742.46	754.31	801.91	774.15	746.22	682.58	715.08	713.61
Sociology	607.27	605.46	632.83	661.79	669.79	619.41	602.13	618.44	632.73
Women's & Gender Studies	70.68	78.73	91.17	91.88	87.75	85.83	97.78	95.83	99.46
Interdisciplinary Studies	<u>13.16</u>	<u>11.52</u>	<u>14.13</u>	<u>11.50</u>	<u>6.40</u>	<u>13.00</u>	<u>15.53</u>	<u>17.28</u>	<u>13.20</u>
TOTAL -	10,269.53	10,434.85	10,398.99	10,983.10	11,067.02	10,771.05	10,247.00	10,011.50	9,919.79

Note: Totals may not precisely equal sum of entries due to rounding error.

FYES is based upon 31 credit hours per year until 2001/02 when FYES began to be based upon 30 credit hours per year.

Office of Institutional Research and Information Management, Updated: 10/01/2007

W:\Departments\Strategic Planning\IRIM\Publications\Faculty Plan\VI.xls

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY DEPARTMENT - FISCAL YEAR
FULL-YEAR EQUATED STUDENT**

COLLEGE OF BUSINESS	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
Accounting	511.12	451.38	456.22						
Accounting & Finance				643.29	683.24	664.78	634.65	633.79	638.06
Computer Info Sys.				426.45	325.81	266.96	242.39	225.49	232.66
Finance & Computer Info Sys.	472.02	461.20	541.17						
Management	407.77	493.53	460.39	526.14	573.53	530.18	489.77	467.78	450.31
Marketing	<u>400.51</u>	<u>395.00</u>	409.10	473.28	445.30	399.28	363.47	366.47	392.31
Programs in Business Admin.			<u>82.55</u>	<u>90.60</u>	<u>58.30</u>	<u>89.40</u>	<u>87.10</u>	<u>87.77</u>	<u>88.05</u>
TOTAL -	1,791.42	1,801.11	1,949.41	2,159.75	2,086.18	1,950.59	1,817.38	1,781.29	1,801.39

Note: Totals may not precisely equal sum of entries due to rounding error.

FYES is based upon 31 credit hours per year until 2001/02 when FYES began to be based upon 30 credit hours per year.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY DEPARTMENT - FISCAL YEAR
FULL-YEAR EQUATED STUDENT**

COLLEGE OF EDUCATION	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
HPER&D	689.76	695.83	683.50	742.74	780.39	806.53			
Leadership & Counseling	144.87	146.14	143.35	158.77	176.64	191.06	131.86	185.73	160.68
Special Education	413.08	411.08	438.49	437.39	472.89	492.25	477.36	495.98	499.79
COE-Office of Academic Serv.	320.65	307.16	328.07	378.60	399.17	436.90	418.67	431.77	404.87
Teacher Education	<u>673.58</u>	<u>722.79</u>	<u>773.47</u>	<u>808.65</u>	<u>912.93</u>	<u>973.40</u>	<u>890.37</u>	<u>854.82</u>	<u>757.20</u>
TOTAL -	2,241.94	2,283.00	2,366.89	2,526.14	2,742.02	2,900.15	1,918.25	1,968.31	1,822.52

Note: Totals may not precisely equal sum of entries due to rounding error.

FYES is based upon 31 credit hours per year until 2001/02 when FYES began to be based upon 30 credit hours per year.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY DEPARTMENT - FISCAL YEAR
FULL-YEAR EQUATED STUDENT**

COLLEGE OF HEALTH AND HUMAN SERVICES	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
Assoc. Health Professions	218.70	192.87	182.80	167.76	152.28	134.42			
School of Health Sciences							168.16	232.91	249.43
School of Hlth Promotion/Hmn Perf							740.18	718.33	690.29
Human Envir. & Cons. Res.	172.86	184.05	168.70	189.36	213.70	226.99			
School of Nursing	136.83	131.07	133.27	133.95	138.16	148.85	168.23	172.61	156.61
School of Social Work	295.67	267.30	255.57	231.58	222.89	221.33	212.19	240.73	255.68
Gerontology	11.00	7.68	7.50	7.08	4.46	3.63	5.25	5.88	5.96
Interd. Hlth/Hum Serv.	<u>5.61</u>	<u>5.03</u>	<u>4.84</u>	<u>9.13</u>	<u>20.20</u>	<u>30.60</u>	<u>26.80</u>	<u>33.70</u>	<u>30.73</u>
TOTAL -	840.67	788.00	752.67	738.85	751.69	765.81	1,320.81	1,404.16	1,388.71

Note: Totals may not precisely equal sum of entries due to rounding error.

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**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

**EASTERN MICHIGAN UNIVERSITY
ENROLLMENT BY DEPARTMENT - FISCAL YEAR
FULL-YEAR EQUATED STUDENT**

COLLEGE OF TECHNOLOGY	FY98/99	FY99/00	FY00/01	FY01/02	FY02/03	FY03/04	FY04/05	FY05/06	FY06/07
Business & Technology Ed.	158.29	137.07	149.64	187.29	181.12	182.15			
Industrial Technology	214.39	209.71	224.27	258.74	243.26	236.61			
Interdisciplinary Tech.	<u>279.62</u>	<u>299.30</u>	<u>281.31</u>	<u>291.92</u>	273.44	260.81			
School of Engineering Technology							301.15	297.63	313.22
School of Technology Studies							<u>574.98</u>	<u>547.91</u>	<u>507.20</u>
College of Technology Interdisc. Studies						13.82			
College of Technology-Misc.					<u>1.20</u>	<u>0.00</u>			
TOTAL -	652.30	646.08	655.22	737.94	699.02	679.57	882.84	858.11	834.22

Note: Totals may not precisely equal sum of entries due to rounding error.

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**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
ENROLLMENT and FACULTY/STAFF**

2004-05 Department Reorganization

College of Arts and Sciences

Music: became Music and Dance with the addition of Dance majors from HPER&D (Health, Physical Education and Dance) in the College of Education.

College of Business

No Changes.

College of Education

HPER&D: Dance was moved to Music and Dance in the College of Arts and Sciences.

All other majors were moved to the new School of Health Promotion & Human Performance in the College of Health & Human Services.

College of Health & Human Services

Associated Health Professions became the new School of Health Sciences.

Majors added to the School of Health Sciences were, Dietetics, Human Nutrition from HECR (Human, Environmental, and Consumer Resources) and Therapeutic Recreation from GPER&D in the College of Education.

HECR: majors were moved to other departments: The Hotel & Restaurant Management and Apparel, Textile Merchandising majors were moved to the new Technology Studies in the College of Technology.

Technology Studies In the College of Technology. The Interior Design major was moved to the new School of Engineering Technology in the College of Technology.

College of Technology

The Business & Technology Education department was moved to the new School of Technology Studies.

The Interdisciplinary Technology department was moved to the new School of Technology Studies.

Industrial Technology was moved to the new School of Engineering Technology.

The Interior Design major was moved to the School of Engineering Technology from HECR in the College of Health & Human Services.

EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009

Facility Assessment

- Executive Summary
- Architectural Systems
- Mechanical Systems
- Electrical Systems (Buildings)
- Elevator Systems
- Fire Protection Systems
- Electric Supply and Distribution Systems
- Site Work and Drainage Systems
- Roads, Parking Lots and Structures

EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT

EXECUTIVE SUMMARY

The strategy for the Physical Plant department at Eastern Michigan University starts with our commitment to develop and implement what is clearly stated in our slogan:

"providing an environment for education first".

An essential first step in developing a sound facilities management strategy is the establishment of a detailed base line database that is reflective of the University's existing facilities conditions. One that is well organized, realistic, defensible, and can be used as a sound foundation to plan, fund and execute realistic and meaningful facilities improvements for the benefit of our students, faculty and staff.

Eastern Michigan University has a new executive team in place to manage all aspects of the University's facility portfolio. From master planning, through construction and onto operating the plant for years to come, this new team recognizes the importance of proper planning and efficient execution.

This same team cautions against the tendency to ignore the needs of the University's physical assets, even through times of fiscal constraint. Our team emphasizes and promotes the need for a realistic financial commitment to retain the relative long-term soundness and effectiveness of our facilities in support of our mission for years to come. In contrast, we also recognize the real constraints associated with available funding and have concern for potential financial neglect of the facility's needs to meet available budget funding. Consequently, the team has collectively formulated a plan to prioritize and balance facility needs with budget. This is the prudent path to take, both financially and operationally.

This year's Capital Outlay submission has several changes from the previous submissions. First and foremost, the accumulated deferred maintenance calculation has risen from \$51M to \$65.6M. This number was derived from a thorough and rigorous review of the existing facilities conditions conducted by the Physical Plant staff.

This review process identified more deficiencies and a greater risk of potential system failures than in years past and in turn required subsequent independent adjustments to be made within this year's Capital Outlay submission. Decisions were made to adjust the devaluation of essential equipment in consideration of its average useful life, based on recognized industry standards, and not to "push forward" the realistic and often times predictable need for replacement.

It is important to emphasize that this auditing process is ongoing and that the adjustments that were made within this Capital Outlay submission were based on actual conditions found.

As a part of a continuous improvement process, all identification and documenting of existing conditions of University equipment and building components continues to be recorded within the

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT**

Asset Preservation module of our Computerized Maintenance Management System. Hence, the establishment of the detailed base line database that is reflective of existing facilities conditions.

Lastly, this Capital outlay submission, as with others in the past, is inclusive of over \$1M dollars in capital that is considered essential for the day to day operations of the University's facilities. Mandated actions, such as code compliance, testing of life safety equipment, and in some cases chemical treatments that are required to operate and maintain essential equipment and building components have been itemized and included within this report.

**General Fund Building
Age/Replacement Report
Table 1**

Name	Floors	Sq./ft.	Date Built	Architectural	Mechanical	Electrical	2009 Building Replacement Value
Alexander	4	86,900	1980	1980	1998	1980	\$21,563,247.33
Boone Hall	3	45,210	1914	2000	2000	2000	\$11,218,347.66
Bowen	2	89,220	1955	1955	1955	1955	\$22,138,928.97
Briggs	1	9,500	1937	1990	1990	1990	\$2,357,317.03
Central Stores	1	10,140	1972	1972	1972	1972	\$2,516,125.75
Convocation Center	3	198,385	1998	1998	1998	1998	\$49,226,983.00
Cooper	2	12,150	1984	1984	1984	1984	\$3,014,884.40
Corporate Education Center**	2	37,200	1989	1989	1989	1989	\$10,299,241.29
Everett C. Marshall	3	70,324	2000	2000	2000	2000	\$17,450,101.33
Ford Hall	2	33,333	1929	1968	1968	1968	\$8,271,205.09
Greenhouse & Aquatic Biology	1	5,200	1998	1998	1998	1998	\$1,290,320.89
Halfe Library	5	273,715	1998	1998	1998	1998	\$67,919,266.34
Heating Plant**	3	23,856	1951	1951	1951	1951	\$41,256,093.12
Hover***	2	11,021	1941	2002	2002	2002	\$3,816,523.00
John W. Porter	3	143,775	1966	1999	1999	1999	\$35,676,132.17
King	4	61,450	1939	1939	1939	1939	\$16,930,621.46
Kresge Center	1	12,606	1974	1974	1974	1974	\$3,128,035.62
Mark Jefferson**	5	180,802	1969	1969	1969	1969	\$64,759,837.54
McKenny Union	4	107,103	1931	1992	1992	1992	\$26,576,392.15
Oestrike Stadium**	1	1,312	1968	1968	1968	1968	\$1,715,994.09
Olds/Robb Center	5	180,631	1984	1984	1984	1984	\$44,821,529.68
Owen C.O.B**	5	126,000	1990	1990	1990	1990	\$37,813,479.03
Paint Research**	1	8,000	1987	1987	1987	1987	\$2,771,288.24
Pease	2	30,181	1914	1994	1994	1994	\$7,489,072.11
Physical Plant	1	25,300	1995	1995	1995	1995	\$6,277,907.44
Physical Plant Storage Garage	1	8,500	1995	1995	1995	1995	\$2,109,178.39
Pierce Hall	4	61,275	1948	1990	1990	1990	\$15,204,694.82
Pray Harold	7	237,108	1967	1967	1967	1967	\$58,835,655.33
Quirk	2	58,205	1959	1959	1959	1959	\$14,442,909.22
Rackham	2	45,890	1938	1938	1938	1938	\$11,387,081.95
Roosevelt	2	75,639	1924	1973	1973	1973	\$18,768,958.18
Rynearson Stadium**	3	49,595	1968	1968	1968	1968	\$14,883,805.48
School House**	1	900	1905	1988	1988	1988	\$622,336.11
Sculpture Studio	1	4,648	1959	1959	1959	1959	\$1,153,348.38
Sherzer	3	35,253	1903	1990	1990	1990	\$8,747,631.29
Sill Hall	2	92,635	1965	1965	1965	1965	\$22,986,322.40
Snow**	2	30,035	1959	1959	1959	1959	\$10,664,566.66
Starkweather Hall	2	8,706	1896	1996	1991	1991	\$2,160,294.94
Strong	3	80,713	1957	1957	1957	1957	\$20,028,013.59
Student Union	3	176,000	2006	2006	2006	2006	\$39,179,536.00
Team Building	1	13,536	1995	1995	1995	1995	\$3,358,804.55
University House	2	10,700	2003	2003	2003	2003	\$3,183,669.07
Warner	2	95,349	1964	1964	1964	1964	\$23,659,770.66
Welch Hall	4	36,840	1896	1986	1986	1986	\$9,141,427.30
West Cross Street, 611	2	4050	1970	1970	1970	1970	\$1,004,961.47
TOTAL		2,908,891					\$791,821,840.53
Average Cost/sq. ft. =							\$272.21

Average Year Built	1961			
Average Building Age (Years)	46			
Average Year Built Weighted by Sq. Ft.	1970	1981	1982	1981
Average Age Weighted by Sq. Ft. (Years)	37	26	25	26
Average Architectural, Elect., Mech. (Years)	25.7			

*Indicates unique Building Replacement Costs
Recent Major Renovation/Addition*

Note:

Replacement costs reflect the cost to replace a building with "like-kind" systems. They do not include system upgrades to deliver more sophisticated curriculum or the "soft costs" and staging/phasing costs.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT**

**Building Deficiencies Priorities by Category
Table 3**

I. Consequences of the Problem

- | | | |
|----|----------------|---|
| 1. | Hazards: | Presents hazards to life, health or safety |
| 2. | Interruption: | Potential for interruption of essential services |
| 3. | Deterioration: | Conditions causing premature deterioration of property |
| 4. | Utility: | Conditions that reduce the functional utility of facilities |
| 5. | Energy: | Conditions that result in excessive consumption of energy |

II. Need

- | | | |
|----|------------|--|
| 1. | Critical: | If not accomplished, will result in serious and irrevocable loss or damage |
| 2. | Urgent: | If not accomplished, will shortly deteriorate into a Category 1 |
| 3. | Necessary: | If not accomplished, may jeopardize the continued usefulness of the facility |
| 4. | Desirable: | All other projects necessary to renew or restore the facility |
| 5. | A.D.A.: | Project necessary to improve/meet handicap accessibility needs |

III. Frequency of Use

- | | | |
|----|-------------|---|
| 1. | Constant: | Such as hospitals, prisons, police posts, etc. |
| 2. | Frequent: | Offices, dormitories, etc. |
| 3. | Occasional: | Classrooms, laboratories, etc. |
| 4. | Infrequent: | Arenas, auditoriums, storage, etc. |
| 5. | Meager: | Dead storage; To be repaired only if scheduled for retention and possible re-use (Do not include unused buildings or those which are scheduled to be vacated, abandoned, or demolished) |

General Fund Building Deficiencies by System and Priority
Table 4

General Fund Building Deficiency Cost Summary for FY 2009 by System

	<u>Architectural</u>	<u>Electrical</u>	<u>Elevators</u>	<u>Fire Protection</u>	<u>Mechanical</u>	<u>Total</u>
General Fund Buildings	\$17,858,000	\$7,566,000	\$2,632,000	\$4,031,000	\$32,779,000	\$ 64,866,000

General Fund Building Deficiencies Cost Summary for FY 2009 by Priority

<u>Table 3 Point Rating System</u>	<u>3 - 6</u>	<u>7 - 8</u>	<u>9 - 10</u>	<u>11</u>	<u>12 and above</u>	<u>Total</u>
Total Campus Deficiencies Including Sitework, Drains, & Utility Infrastructure	\$4,156,000	\$7,882,000	\$35,805,000	\$14,217,000	\$3,557,000	\$65,617,000
Total Deficiencies Excluding Sitework, Drains, & Utility Infrastructure	\$4,150,000	\$7,307,000	\$35,635,000	\$14,217,000	\$3,557,000	\$64,866,000

General Fund Building Deficiency Cost Summary By System
Table 4a

<u>Building</u>	<u>Architectural</u>	<u>Electrical</u>	<u>Elevators</u>	<u>Fire Protection</u>	<u>Mechanical</u>	<u>Grand Total</u>
611, W. Cross Street	\$45,000	\$0	\$0	\$0	\$42,000	\$87,000
Alexander	535,000	145,000	150,000	0	1,418,000	\$2,248,000
Boone	0	10,000	50,000	0	50,000	\$110,000
Bowen	434,000	211,000	40,000	175,000	951,000	\$1,811,000
Briggs	139,000	115,000	0	75,000	36,000	\$365,000
Campus Buildings	1,925,000	910,000	675,000	1,298,000	2,130,000	\$6,938,000
Central Stores	152,000	0	0	10,000	37,000	\$199,000
Convocation Center	35,000	0	20,000	10,000	233,000	\$298,000
Cooper Building	184,000	0	30,000	0	115,000	\$329,000
Coral Sub	0	0	0	0	0	\$0
Ford Hall	156,000	258,000	0	0	512,000	\$926,000
Halle Library	200,000	0	50,000	0	271,000	\$521,000
Heating Plant	186,000	1,691,000	0	100,000	4,055,000	\$6,032,000
Hover	22,000	30,000	22,000	0	16,000	\$90,000
King	30,000	0	200,000	50,000	162,000	\$442,000
Kresge Center	41,000	0	0	0	41,000	\$82,000
Mark Jefferson	3,269,000	193,000	0	0	5,155,000	\$8,617,000
Marshall	0	3,000	0	0	0	\$3,000
Mckenny Union	139,000	526,000	210,000	275,000	1,735,000	\$2,885,000
Oestrike Stadium	15,000	0	0	0	0	\$15,000
Olds/Robb Center	331,000	30,000	250,000	55,000	2,297,000	\$2,963,000
Owen	600,000	50,000	95,000	400,000	1,308,000	\$2,453,000
Paint Research	101,000	10,000	0	0	27,000	\$138,000
Pease	72,000	168,000	5,000	0	413,000	\$658,000
Phys Plant Storage	25,000	0	0	0	36,000	\$61,000
Physical Plant	0	0	0	0	166,000	\$166,000
Pierce Hall	75,000	154,000	55,000	225,000	105,000	\$614,000
Porter	0	0	0	0	138,000	\$138,000
Pray Harrold	4,123,000	1,160,000	0	200,000	3,325,000	\$8,808,000
Quirk	105,000	130,000	15,000	0	707,000	\$957,000
Rackham	501,000	199,000	120,000	0	845,000	\$1,665,000
Roosevelt	751,000	138,000	0	250,000	1,201,000	\$2,340,000
Rynearson Football	366,000	95,000	0	60,000	65,000	\$586,000
School House	0	0	0	0	2,000	\$2,000
Sculpture Studio	129,000	45,000	0	0	13,000	\$187,000
Sherzer	65,000	195,000	0	48,000	347,000	\$655,000
Sill Hall	859,000	332,000	120,000	200,000	381,000	\$1,892,000
Snow	130,000	203,000	0	200,000	821,000	\$1,354,000
Starkweather Hall	253,000	10,000	150,000	20,000	83,000	\$516,000
Strong	938,000	161,000	170,000	225,000	1,335,000	\$2,829,000
Student Center	0	0	0	0	0	\$0
Team Building	51,000	0	0	0	57,000	\$108,000
Tunnels	0	0	0	0	686,000	\$686,000
University House	0	0	0	0	0	\$0
Warner	822,000	271,000	160,000	155,000	1,171,000	\$2,579,000
Welch Hall	54,000	123,000	45,000	0	291,000	\$513,000
Total Building Deficiencies	\$17,858,000	\$7,566,000	\$2,632,000	\$4,031,000	\$32,779,000	\$64,866,000

General Fund Building Deficiency Cost Summary By Priority
Table 4b

	<u>3 - 6 Totals</u>	<u>7 - 8 Totals</u>	<u>9 - 10 Totals</u>	<u>11 Totals</u>	<u>12 or Greater</u>	<u>Grand Totals</u>
611 W. Cross Street	\$0	\$0	\$87,000	\$0	\$0	\$87,000
Alexander	0	478,000	870,000	755,000	145,000	\$2,248,000
Boone	0	0	70,000	30,000	10,000	\$110,000
Bowen	0	511,000	428,000	672,000	200,000	\$1,811,000
Briggs	0	75,000	36,000	128,000	126,000	\$365,000
Campus Buildings	125,000	1,486,000	4,827,000	975,000	0	\$7,413,000
Central Stores	0	0	108,000	46,000	45,000	\$199,000
Convocation Center	0	0	134,000	154,000	10,000	\$298,000
Cooper Building	0	0	214,000	115,000	0	\$329,000
Coral Sub	0	0	0	0	0	\$0
Ford Hall	0	370,000	217,000	81,000	258,000	\$926,000
Halle Library	0	0	521,000	0	0	\$521,000
Heating Plant	3,775,000	435,000	1,822,000	0	0	\$6,032,000
Hover	0	0	60,000	30,000	0	\$90,000
King	0	5,000	437,000	0	0	\$442,000
Kresge Center	0	0	41,000	41,000	0	\$82,000
Mark Jefferson	0	0	7,545,000	1,072,000	0	\$8,617,000
Marshall	0	0	0	0	3,000	\$3,000
McKenny Union	0	179,000	2,500,000	206,000	0	\$2,885,000
Oestrike Stadium	0	0	0	15,000	0	\$15,000
Olds/Robb Center	0	2,045,000	140,000	387,000	391,000	\$2,963,000
One Room School House	0	0	0	2,000	0	\$2,000
Owen	0	0	2,323,000	130,000	0	\$2,453,000
Paint Research	0	0	108,000	20,000	10,000	\$138,000
Pease	0	0	345,000	27,000	286,000	\$658,000
Phys Plant Storage	0	0	0	61,000	0	\$61,000
Physical Plant	0	0	166,000	0	0	\$166,000
Pierce Hall	0	175,000	439,000	0	0	\$614,000
Porter	0	150,000	0	138,000	0	\$288,000
Pray Harrold	0	85,000	4,415,000	4,308,000	0	\$8,808,000
Quirk	0	561,000	243,000	23,000	130,000	\$957,000
Rackham	0	37,000	900,000	529,000	199,000	\$1,665,000
Roosevelt	256,000	728,000	560,000	664,000	138,000	\$2,346,000
Rynearson Football	0	0	75,000	295,000	216,000	\$586,000
Sculpture Studio	0	0	58,000	129,000	0	\$187,000
Sherzer	0	0	430,000	30,000	195,000	\$655,000
Sill Hall	0	48,000	947,000	600,000	297,000	\$1,892,000
Snow	0	253,000	438,000	183,000	480,000	\$1,354,000
Starkweather Hall	0	0	456,000	60,000	0	\$516,000
Strong	0	0	1,950,000	718,000	161,000	\$2,829,000
Team Building	0	0	57,000	0	51,000	\$108,000
Tunnels	0	136,000	670,000	0	0	\$806,000
University House	0	0	0	0	0	\$0
Warner	0	125,000	813,000	1,435,000	206,000	\$2,579,000
Welch Hall	0	0	355,000	158,000	0	\$513,000

Total Campus Deficiencies	<u>\$4,156,000</u>	<u>\$7,882,000</u>	<u>\$35,805,000</u>	<u>\$14,217,000</u>	<u>\$3,557,000</u>	<u>\$65,617,000</u>
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Memo:

Less: Sitework, Drain, And
Utility Infrastructure

	6,000	575,000	170,000	0	0	751,000
Total Excl. S,D & UI	4,150,000	7,307,000	35,635,000	14,217,000	3,557,000	64,866,000

Total System Deficiencies By Building Age
Table 5

Building Name	Building Sq. Ft.	Date Built/ Number	2009 Building Replacement Value	Anticipated 2009 Backlog Deficiency	Facility Condition Index
<u>Before 1900</u>					
Starkweather Hall	8,706	1896	\$ 2,160,294.94	\$ 516,000.00	0.2389
Welch Hall	36,840	1896	9,141,427.30	513,000.00	0.0561
Total	45,546	2	\$ 11,301,722.24	\$ 1,029,000.00	
<u>1900-1949</u>					
Sherzer	35,253	1903	\$ 8,747,631.29	\$ 655,000.00	0.0749
School House	900	1905	622,336.11	2,000.00	0.0032
Boone	45,210	1914	11,218,347.66	110,000.00	0.0098
Pease	30,181	1914	7,489,072.11	658,000.00	0.0879
Roosevelt	75,639	1924	18,768,958.18	2,340,000.00	0.1247
Ford Hall	33,333	1929	8,271,205.09	926,000.00	0.1120
McKenny Union	107,103	1931	26,576,392.15	2,885,000.00	0.1086
Briggs	9,500	1937	2,357,317.03	365,000.00	0.1548
Rackham	45,890	1938	11,387,081.95	1,665,000.00	0.1462
King	61,450	1939	16,930,621.46	442,000.00	0.0261
Pierce Hall	61,275	1948	15,204,694.83	614,000.00	0.0404
Total	505,734	11	\$ 127,573,657.86	\$ 10,662,000.00	
<u>1950-1969</u>					
Heating Plant	23,856	1951	\$ 41,256,093.12	\$ 6,032,000.00	0.1462
Bowen	89,220	1955	22,138,928.97	1,811,000.00	0.0818
Strong	80,713	1957	20,028,013.59	2,829,000.00	0.1413
Quirk	58,205	1959	14,442,909.22	957,000.00	0.0663
Sculpture Studio	4,648	1959	1,153,348.38	187,000.00	0.1621
Snow	30,035	1959	10,664,566.66	1,354,000.00	0.1270
Warner	95,349	1964	23,659,770.66	2,579,000.00	0.1090
Sill Hall	92,635	1965	22,986,322.40	1,892,000.00	0.0823
John W. Porter	143,775	1966	35,676,132.17	138,000.00	0.0039
Pray Harold	237,108	1967	58,835,655.33	8,808,000.00	0.1497
Oestrike Stadium	1,312	1968	1,715,994.09	15,000.00	0.0087
Rynearson Football Stadium	49,595	1968	14,883,805.48	586,000.00	0.0394
Mark Jefferson	180,802	1969	64,759,837.54	8,617,000.00	0.1331
Total	1,087,253	13	\$ 332,201,377.61	\$ 35,805,000.00	
<u>1970-1979</u>					
West Cross Street, 611	4,050	1970	\$ 1,004,961.47	\$ 87,000.00	0.0866
Central Stores	10,140	1972	2,516,125.75	199,000.00	0.0791
Kresge Center	12,606	1974	3,128,035.62	82,000.00	0.0262
Total	26,796	3	\$ 6,649,122.84	\$ 368,000.00	
<u>1980-1989</u>					
Alexander	86,900	1980	\$ 21,563,247.33	\$ 2,248,000.00	0.1043
Cooper Building	12,150	1984	3,014,884.40	329,000.00	0.1091
Olds/Robb Center	180,631	1984	44,821,529.68	2,963,000.00	0.0661
Paint Research	8,000	1987	2,771,288.24	138,000.00	0.0498
Corporate Education Center	37,200	1989	10,299,241.29	0.00	0.0000
Total	324,881	5	\$ 82,470,190.94	\$ 5,678,000.00	
<u>1990-1999</u>					
Owen C.O.B.	126,000	1990	\$ 37,813,479.03	\$ 2,453,000.00	0.0649
Physical Plant	25,300	1995	6,277,907.44	166,000.00	0.0264
Physical Plant Storage	8,500	1995	2,109,178.39	61,000.00	0.0289
Team Building	13,536	1995	3,358,804.55	108,000.00	0.0322
Convocation Center	198,385	1998	49,226,983.00	298,000.00	0.0061
Greenhouse & Aquatic	5,200	1998	1,290,320.89	0.00	0.0000
Halle Library	273,715	1998	67,919,266.34	521,000.00	0.0077
Total	650,636	7	\$ 167,995,939.64	\$ 3,607,000.00	
<u>Post 2000</u>					
Everett C. Marshall	70,324	2000	\$ 17,450,101.33	\$ 3,000.00	0.0002
Hover	11,021	1941/2002	3,816,523.00	90,000.00	0.0236
University House	10,700	2003	3,183,669.07	0.00	0.0000
Student Union	176,000	2006	39,179,536.00	0.00	
Total	268,045	4	\$ 63,629,829.40	\$ 93,000.00	
<u>Sitework, Drains, & Infrastructure</u>					
Campus Buildings	n/a	n/a	n/a	\$ 6,938,000.00	
Coral Sub	n/a	n/a	n/a	0.00	
Tunnels	n/a	n/a	n/a	686,000.00	
Total	n/a	n/a	n/a	\$ 7,624,000.00	
<u>Total Building Deficiencies</u>					
	2,906,891	45	\$ 791,821,840.53	\$ 64,866,000.00	

Memo:

Average Cost Per Sq. Ft.

\$ 272.00

Building System Deficiencies by Age **Table 6**

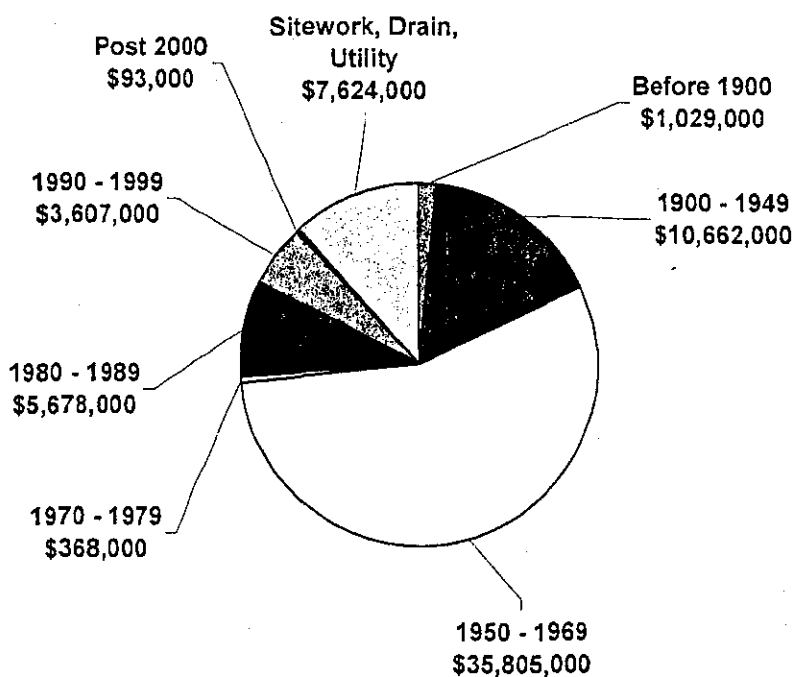
General Fund Building Profile Data

Total number of General Fund Facilities	45
Current Replacement Value	\$791,821,841
Total Gross Sq. ft.	2,908,891
Total Cost of General Fund Building Deficiencies (to date)	\$64,866,000

General Fund Building Age Summary

Date Built	No. of Facilities	Gross Sq. Ft.	Cost of Deficiencies
Before 1900	2	45,546	\$1,029,000
1900 - 1949	11	505,734	\$10,662,000
1950 - 1969	13	1,087,253	\$35,805,000
1970 - 1979	3	26,796	\$368,000
1980 - 1989	5	324,881	\$5,678,000
1990 - 1999	7	650,636	\$3,607,000
Post 2000	4	268,045	\$93,000
Sitework, Drain, Utility	n/a	n/a	\$7,624,000

Cost of Deficiencies by Date Built



Facility Condition Index (FCI)

Table 7

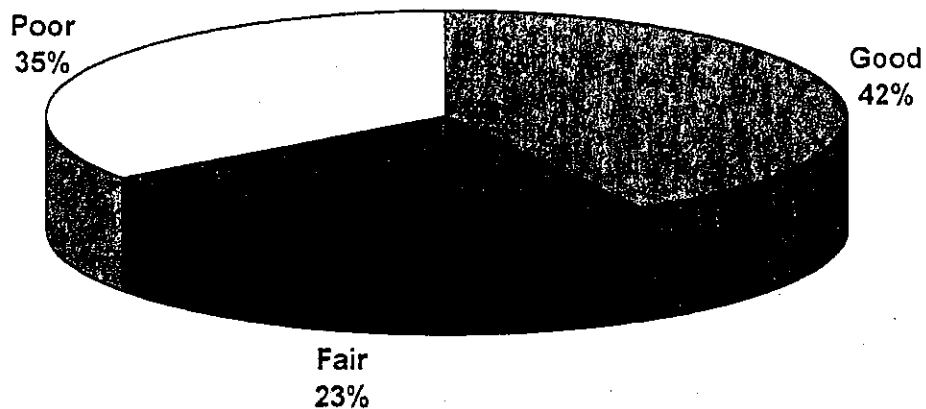
General Fund Facility Condition Index

Facility Condition Index =	$\frac{\text{Backlog Deficiency}}{\text{Current Replacement Value}}$	=	$\frac{\$64,866,000}{\$791,821,841}$
Facility Condition Index (All Facilities) = 0.08			

General Fund Facility Condition Index Summary

	Facility Condition Index		
	Good (Under .05)	Fair (.05 - .10)	Poor (Over .10)
Number of Facilities	20	10	15
Gross Square ft.	1,214,004	663,155	1,031,732
Percentage of Campus Gross Sq. ft.	42%	23%	35%

Campus Condition Based On Gross Sq. Ft.



Facility Condition Index (FCI) By Building
Table 8

Building Name	Building Sq. Ft.	Date Built/ Number	2009 Building Replacement Value	Building Deficiencies (All Systems)	Facility Condition Index
Good (Under .05)					
Student Union	176,000	2006	\$ 39,179,536.00	\$ -	
University House	10,700	2003	3,183,669.07	0.00	0.0000
Corporate Education Center	37,200	1989	10,299,241.29	0.00	0.0000
Greenhouse & Aquatic	5,200	1998	1,290,320.89	0.00	0.0000
Everett C. Marshall	70,324	2000	17,450,101.33	3,000.00	0.0002
School House	900	1905	622,336.11	2,000.00	0.0032
John W. Porter	143,775	1966	35,676,132.17	138,000.00	0.0039
Convocation Center	198,385	1998	49,226,983.00	298,000.00	0.0061
Halle Library	273,715	1998	67,919,266.34	521,000.00	0.0077
Oestrike Stadium	1,312	1968	1,715,994.09	15,000.00	0.0087
Boone	45,210	1914	11,218,347.66	110,000.00	0.0098
Hover	11,021	1941/2002	3,816,523.00	90,000.00	0.0236
King	61,450	1939	16,930,621.46	442,000.00	0.0261
Kresge Center	12,606	1974	3,128,035.62	82,000.00	0.0262
Physical Plant	25,300	1995	6,277,907.44	166,000.00	0.0264
Physical Plant Storage	8,500	1995	2,109,178.39	61,000.00	0.0289
Team Building	13,536	1995	3,358,804.55	108,000.00	0.0322
Ryencarson Football Stadium	49,595	1968	14,883,805.48	586,000.00	0.0394
Pierce Hall	61,275	1948	15,204,694.83	614,000.00	0.0404
Paint Research	8,000	1987	2,771,288.24	138,000.00	0.0498
Total	1,214,004	20	\$ 306,262,786.96	\$ 3,374,000.00	
Fair (.05 -.10)					
Welch Hall	36,840	1896	9,141,427.30	513,000.00	0.0561
Owen C.O.B.	126,000	1990	37,813,479.03	2,453,000.00	0.0649
Olds/Robb Center	180,631	1984	44,821,529.68	2,963,000.00	0.0661
Quirk	58,205	1959	14,442,909.22	957,000.00	0.0663
Sherzer	35,253	1903	8,747,631.29	655,000.00	0.0749
Central Stores	10,140	1972	2,516,125.75	199,000.00	0.0791
Bowen	89,220	1955	22,138,928.97	1,811,000.00	0.0818
Sill Hall	92,635	1965	22,986,322.40	1,892,000.00	0.0823
West Cross Street, 611	4,050	1970	1,004,961.47	87,000.00	0.0866
Pease	30,181	1914	7,489,072.11	658,000.00	0.0879
Total	663,155	10	\$ 171,102,387.22	\$ 12,188,000.00	
Poor (Over .10)					
Alexander	86,900	1980	\$ 21,563,247.33	\$ 2,248,000.00	0.1043
McKenny Union	107,103	1931	26,576,392.15	2,885,000.00	0.1086
Warner	95,349	1964	23,659,770.66	2,579,000.00	0.1090
Cooper Building	12,150	1984	3,014,884.40	329,000.00	0.1091
Ford Hall	33,333	1929	8,271,205.09	926,000.00	0.1120
Roosevelt	75,639	1924	18,768,958.18	2,340,000.00	0.1247
Snow	30,035	1959	10,664,566.66	1,354,000.00	0.1270
Mark Jefferson	180,802	1969	64,759,837.54	8,617,000.00	0.1331
Strong	80,713	1957	20,028,013.59	2,829,000.00	0.1413
Rackham	45,890	1938	11,387,081.95	1,665,000.00	0.1462
Heating Plant	23,856	1951	\$ 41,256,093.12	\$ 6,032,000.00	0.1462
Pray Harrold	237,108	1967	58,835,655.33	8,808,000.00	0.1497
Briggs	9,500	1937	2,357,317.03	365,000.00	0.1548
Sculpture Studio	4,648	1959	1,153,348.38	187,000.00	0.1621
Starkweather Hall	8,706	1896	2,160,294.94	516,000.00	0.2389
Total	1,031,732	15	\$ 314,456,666.35	\$ 41,680,000.00	
Sitework, Drains, Utilities I/F					
Campus Buildings	n/a	n/a	n/a	\$ 6,938,000.00	
Coral Sub	n/a	n/a	n/a	0.00	
Tunnels	n/a	n/a	n/a	686,000.00	
Total	n/a	n/a	n/a	\$ 7,624,000.00	
Total Building Deficiencies	2,908,891	45	\$ 791,821,840.53	\$ 64,866,000.00	0.0819

Memo:

Average Cost Per Sq. Ft.

\$ 272.00

EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT

ARCHITECTURAL SYSTEMS

Overview:

Architectural systems are primary building systems and components such as foundations, substructure, superstructure and building envelope. Secondary "exterior" systems include roofing, siding, glass, glazing, windows, exterior doors, flashings, painting and caulking. Secondary "interior" systems include interior partitions, doors, walls, wall finishes, floors, floor finishes, ceilings and ceiling finishes. Maintaining integrity in the primary systems is fundamental to long-term preservation of a building. Architectural systems not only protect the more sensitive mechanical and electrical systems but also reflect on the image of the owner and the quality of the activities and programs performed within the building.

System Condition and Adequacy:

The average age of the general fund buildings architectural systems is 26 years. The oldest systems date back to 1896 and include Starkweather and Welch Halls. Both buildings, however, have been restored several times since their construction. Every campus building more than 20 years old has had major roofing repairs or new roofing at least once. All but the newest buildings have some building envelope deficiencies. Deficiencies in buildings renovated or newly constructed since 1990 are limited primarily to interior walls, doors, floors and finishes. Of particular note is the Mark Jefferson building envelope, which is nearing the end of its useful life and is experiencing accelerated deterioration. Renovation of this building continues to be a critical need of the University and will be addressed when the University proceeds with its renovation. The Pray-Harrold classroom building also has serious deficiencies in all of its secondary systems, both interior and exterior. Pray-Harrold and Mark Jefferson have architectural system deficiencies totaling in excess of \$7.4 million.

Since 2004 the University has spent nearly \$5.96 million preserving and renewing the architectural assets of campus facilities. EMU's future investments in the architectural systems of campus buildings are detailed in the 2009-2013 Asset Preservation Listing within the Implementation Plan later in this document.

Improvements Completed:

Recent Architectural System improvements on campus include, but are not limited to the following:

- | | |
|---|--------------------------|
| • Pray-Harrold South Entrances (2) Replaced | Completed July 2004 |
| • Ford Hall Window Replacement | Completed April 2005 |
| • Kresge Dorm Roof | Completed August 2005 |
| • Hover Renovation to new B&F Bldg | Completed November 2005 |
| • Convocation Ctr Meeting Room | Completed February 2006 |
| • Heating Plant Partial Re-Roof | Completed June 2006 |
| • Sill Hall Partial Re-roof | Completed August 2006 |
| • Alexander 2 nd Floor Ceiling Tile Replaced | Completed September 2006 |
| • Boone Re-Roof | Completed January 2007 |
| • Roosevelt Steps | Completed September 2007 |

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT**

The University has completed a number of ADA Improvements as follows:

- | | |
|--|--------------------------|
| • Quirk ADA Ramp | Completed February 2005 |
| • Quirk ADA Restrooms | Completed February 2005 |
| • Strong ADA Restrooms | Completed September 2005 |
| • Quirk ADA Chair Lift | Completed August 2006 |
| • Major Sidewalk Replacement | Completion December 2006 |
| • Power Assist Doors Various Buildings | Ongoing |

Architectural System Deficiencies By Building

Table 11

Building Name	Building Sq. Ft.	Date Built/ Number	2009 Building Replacement Value	Architectural System Deficiencies
<u>Before 1900</u>				
Starkweather Hall	8,706	1896	\$ 2,160,294.94	\$ 253,000.00
Welch Hall	36,840	1896	9,141,427.30	54,000.00
Total	45,546	2	\$ 11,301,722.24	\$ 307,000.00
<u>1900-1949</u>				
Sherzer	35,253	1903	\$ 8,747,631.29	\$ 65,000.00
School House	900	1905	622,336.11	0.00
Boone	45,210	1914	11,218,347.66	0.00
Peuse	30,181	1914	7,489,072.11	72,000.00
Roosevelt	75,639	1924	18,768,958.18	751,000.00
Ford Hall	33,333	1929	8,271,205.09	156,000.00
McKenny Union	107,103	1931	26,576,392.15	139,000.00
Briggs	9,500	1937	2,357,317.03	139,000.00
Rackham	45,890	1938	11,387,081.95	501,000.00
King	61,450	1939	16,930,621.46	30,000.00
Pierce Hall	61,275	1948	15,204,694.83	75,000.00
Total	505,734	11	\$ 127,573,657.86	\$ 1,928,000.00
<u>1950-1969</u>				
Heating Plant	23,856	1951	\$ 41,256,093.12	\$ 186,000.00
Bowen	89,220	1955	22,138,928.97	434,000.00
Strong	80,713	1957	20,028,013.59	938,000.00
Quirk	58,205	1959	14,442,909.22	105,000.00
Sculpture Studio	4,648	1959	1,153,348.38	129,000.00
Snow	30,035	1959	10,664,566.66	130,000.00
Warner	95,349	1964	23,659,770.66	822,000.00
Sill Hall	92,635	1965	22,986,322.40	859,000.00
John W. Porter	143,775	1966	35,676,132.17	0.00
Pray Harrold	237,108	1967	58,835,655.33	4,123,000.00
Oestrike Stadium	1,312	1968	1,715,994.09	15,000.00
Rynearson Football Stadium	49,595	1968	14,883,805.48	366,000.00
Mark Jefferson	180,802	1969	64,759,837.54	3,260,000.00
Total	1,087,253	13	\$ 332,201,377.61	\$ 11,376,000.00
<u>1970-1979</u>				
West Cross Street, 611	4,050	1970	\$ 1,004,961.47	\$ 45,000.00
Central Stores	10,140	1972	2,516,125.75	152,000.00
Kresge Center	12,606	1974	3,128,035.62	41,000.00
Total	26,796	3	\$ 6,649,122.84	\$ 238,000.00
<u>1980-1989</u>				
Alexander	86,900	1980	\$ 21,563,247.33	\$ 535,000.00
Cooper Building	12,150	1984	3,014,884.40	184,000.00
Olds/Robb Center	180,631	1984	44,821,529.68	331,000.00
Paint Research	8,000	1987	2,771,288.24	101,000.00
Corporate Education Center	37,200	1989	10,299,241.29	0.00
Total	324,881	5	\$ 82,470,190.94	\$ 1,151,000.00
<u>1990-1999</u>				
Owen C.O.B.	126,000	1990	\$ 37,813,479.03	\$ 600,000.00
Physical Plant	25,300	1995	6,277,907.44	0.00
Physical Plant Storage	8,500	1995	2,109,178.39	25,000.00
Team Building	13,536	1995	3,358,804.55	51,000.00
Convocation Center	198,385	1998	49,226,983.00	35,000.00
Greenhouse & Aquatic	5,200	1998	1,290,320.89	0.00
Halle Library	273,715	1998	67,919,266.34	200,000.00
Total	650,636	7	\$ 167,995,939.64	\$ 911,000.00
<u>Post 2000</u>				
Everett C. Marshall	70,324	2000	\$ 17,450,101.33	\$ -
Hover	11,021	1941/2002	3,816,523.00	22,000.00
University House	10,700	2003	3,183,669.07	0.00
Student Union	176,000	2006	39,179,536.00	0.00
Total	268,045	4	\$ 63,629,829.40	\$ 22,000.00
<u>Sitework, Drains, & Infrastructure</u>				
Campus Buildings	n/a	n/a	n/a	\$ 1,925,000.00
Coral Sub	n/a	n/a	n/a	0.00
Tunnels	n/a	n/a	n/a	0.00
Total	n/a	n/a	n/a	\$ 1,925,000.00
Total Building Deficiencies	2,908,891.00	45	\$ 791,821,840.53	\$ 17,858,000.00

Memo:

Average Cost Per Sq. Ft.

\$ 272.00

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT**

MECHANICAL SYSTEMS

Overview:

Mechanical systems and sub-systems are vital, diverse and complex building systems. Preventative and predictive maintenance programs have been developed and implemented to preserve these critical systems and provide a quality learning environment. Failure in any one of the multiple sub-systems can create reactive deficiencies in other sub-systems and seriously detract from the quality of the learning environment and lead to premature depletion of a building.

Mechanical sub-systems include:

- Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
- Storm and Sanitary Drain Systems
- Chilled Water Systems
- Domestic Water Supply Systems

Heating Ventilating and Air Conditioning Sub-System

Overview:

Heating Ventilation and Air Conditioning (HVAC) systems encompass a broad, complex, intertwined array of equipment and components including exhaust fans, laboratory fume hoods, air handling units, steam absorbers, electric chillers, rooftop units, base board heat, heating coils, cooling coils, heat exchangers, duct work, fire dampers, direct expansion chillers, radiant ceiling panels, pneumatic controls, electro-mechanical controls, direct digital controls, programmable controllers, thermostats, transducers, and others too numerous to mention. The HVAC systems operate in concert with the building envelope, interior floor plan, and the space utilization program to maintain a comfortable environment for the end user (students, faculty, and staff) of the various areas of the building. Alterations or failures of any one of these systems and/or components can adversely impact occupant comfort and potentially shorten the useful life of the building.

System Condition and Adequacy:

Normal life expectancy of various HVAC system components ranges from 10 to 30 years. Currently there are nine (9) buildings that have been renovated or newly constructed since 1998 that have HVAC systems in good working condition. Some components of these systems are approaching the end of their useful life and will begin to require maintenance, repair, upgrades, or replacement to maintain system functionality. All of these systems must have ongoing preventative maintenance programs to avoid costly renovations, premature deterioration and untimely system failure.

The remaining buildings have equipment which has exceeded or is nearing the end of its useful life. These buildings are being kept in service through extraordinary efforts, but are beginning to compromise the quality of the learning environment. Three of these buildings (Pray-Harold, Mark Jefferson, and Strong) have mechanical system deficiencies totaling in excess of \$9.8 million representing 29% of the total Mechanical System Deficiencies of \$32.8 million.

**EASTERN MICHIGAN UNIVERSITY
CAPITAL OUTLAY REQUEST FY 2009
FACILITY ASSESSMENT**

Since 2004 the University has spent nearly \$3.4 million preserving the mechanical assets of campus facilities. EMU's future investments in the mechanical systems of campus buildings are detailed in the 2009-2013 Asset Preservation Listing within the Implementation Plan later in this document.

Improvements Completed:

The Physical Plant has been replacing and upgrading HVAC system components as permitted by budgetary constraints. Recent improvements in the HVAC systems on campus include, but are not limited to the following:

- | | |
|---|-------------------------|
| • Mark Jefferson AHU 1,2,3 Heat/Cool Coils Replaced | Completed March 2005 |
| • Mark Jefferson Cooling Tower Replacement | Completed March 2005 |
| • Pray-Harrold AHU-10 Cooling Coil Replacement | Completed July 2005 |
| • Snow Health Center AHU 4 replacement | Completed July 2005 |
| • Pray Harrold ICT replaced two(2) Liebert AC units | Completed July 2005 |
| • Ford Hall AHU-3 replacement | Completed November 2005 |
| • Warner Club pool ventilation fan | Completed February 2006 |
| • COB 10yr chiller overhaul | Completed May 2006 |
| • Mark Jefferson steam station and safety valves | Completed April 2006 |
| • Cooper Replaced six(6) rooftop HVAC units | Completed May 2006 |
| • Pray Harrold 560 ton chiller rebuild/upgrade | Completed January 2007 |
| • Quirk AHU-1 Replacement | Completed July 2007 |
| • Quirk AHU-4 Replacement | Completed October 2007 |

Storm Drain Sub-Systems

Overview:

The University storm drain system consists of 15,500 feet of storm sewer that drains rain water from 480 acres. This system catches all the surface water from roofs, parking lots, and streets on campus. The campus storm system is tied at various points to the City and County systems that eventually drain into the Huron River. City and County systems include a 24-inch main running down Cross Street, which borders the main campus to the south and the 66-inch Owen Drain that runs through the center of campus and collects water from, and intersects with, the 24-inch main, as well as other lines on the northern perimeter.

System Condition and Adequacy:

In recent years the University has been experiencing storm water backup into some of its buildings during heavy rains. Initial observations indicate that some building roof drains and perimeter footing drains are backing up because the main lines into which they drain are at capacity. The University is concerned that the storm drainage system has reached or exceeded the design capacity; and that the City and County lines have also become overloaded and exceed their design capacity. Consequently, water pressure builds and forces drains to discharge water rather than accept it and carry it away.