



BOARD OF REGENTS

SUMMARY OF ITEM FOR ACTION, INFORMATION OR DISCUSSION

TOPIC: Report on the Workload of the USM Faculty

COMMITTEE: Education Policy

DATE OF COMMITTEE MEETING: November 19, 2012

SUMMARY: At this meeting, the Committee will review the eighteenth annual report on the instructional workload of the USM faculty. As in the past, the report summarizes instructional workload, which includes teaching, research, and service activities at all USM degree-granting institutions with tenured or tenure-track faculty.

The Regents' policy on faculty workload states "the focus of external accountability (to the Regents and the State) will be the department or academic unit and not the individual faculty member." By differentially assigning faculty to meet instructional, scholarly/research/creative, and service functions, the chair maximizes the resources of the department and ensures that its mission is achieved.

Overall, the results indicate substantial success both in meeting the explicit workload goals and in generally improving productivity. Highlights include:

- Total Tenured/Tenure-Track faculty complement rose by 11 or .3%, while FTE student enrollment rose by 1,100 or 1.3% in AY 2010-2011,
- The USM Research institutions collectively met the expected instructional productivity standards (averaging 5.9 courses per faculty member) ,
- The USM Comprehensive institutions collectively fell just short of the expected figure (7.4 courses per faculty member),
- The time-to-degree was maintained at an impressive level although slightly longer than last year (8.7 semesters), and
- USM levels of grants and other research awards dipped by 2% but still totaled over 1.2 billion dollars.

ALTERNATIVE(S): This is an information item.

FISCAL IMPACT: This is an information item.

CHANCELLOR'S RECOMMENDATION: This is an information item.

COMMITTEE RECOMMENDATION: Received as information. DATE: November 19, 2012

BOARD ACTION: DATE:

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THE NINETEENTH ANNUAL REPORT

ON THE

INSTRUCTIONAL WORKLOAD OF THE USM FACULTY



**Submitted to Board of Regents' Committee on Education Policy
November 19, 2012**

**Office of the Chief Operating Officer /
Vice Chancellor of Administration and Finance**

USM FACULTY WORKLOAD REPORT ACADEMIC YEAR 2011-2012

SUMMARY

Some highlights of this year's report include:

- Total Tenured/Tenure-Track faculty rose by 27 or .3%, while FTE student enrollment rose by 1,100 or 1.3% in AY 2010-2011
- Tenure Track Faculty continue to meet overall workload demands at 8 of 9 institutions detailed in this report (see table 1)
- Tenure Track Faculty at the Comprehensive Universities as a group averaged 7.4 Course Units per faculty members, Research institutions exceeded their requirement again this year with an average of 5.9 Course units (see table 3)
- When all Core faculty were included in Course Unit calculations, 7 of 9 institutions met or exceed required levels (see table 4)
- Total bachelor's degrees awarded continues to rise rapidly with 1,100 more degrees awarded in the most recent year than last year and nearly 2,300 more than 5 years earlier (see table 7)
- Time to degree and completion of degrees in 4 years remain at excellent levels, time to degree remains at among the lowest level since at least the mid-1980's (see table 8 and 9)
- Faculty publication and scholarship continue at high levels with more than 750 books and more than 11,000 refereed articles published in 2010-2011
- Faculty secured 1.2 billion dollars in research funding, a very high level but a decline of 2% from last year's record

USM FACULTY WORKLOAD REPORT

ACADEMIC YEAR 2011-2012

INTRODUCTION

The workload of faculty in the University System of Maryland is governed by a series of policies which are overseen by the USM Board of Regents and which are designed to ensure maximum accountability while providing individual campuses high levels of flexibility to deploy faculty in the most effective and efficient way possible. These policies were initially adopted in 1994 under the overall heading: *Policy on Faculty Workload and Responsibilities*. This document was amended in 1999. It was further amended in 2003-2004 as part of the USM Effectiveness and Efficiency process. Prior to this last amendment, the Regents' policy called for an expected instructional workload range of 5-6 course units per tenured/tenure-track faculty member at USM research universities and 7-8 course units per tenured/tenure-track faculty member at USM comprehensive institutions. Beginning in 2004-2005, while the prescribed ranges have not changed, the Regents' E&E initiatives called for research and comprehensive universities to reach a target of 5.5 and 7.5 course units per full-time faculty member respectively.

An annual report has been issued since 1994 which synthesizes and scores instructional activities. This 19th annual report provides summary data on faculty activity at USM degree-granting institutions for the academic year 2011-2012. As recommended by the USM Effectiveness and Efficiency Workgroup and the policy changes adopted by the Board of Regents in 2003-2004, the report focuses on faculty productivity at the institutional level rather than the individual level, attempts to characterize the full range of instructional productivity by using a variety of instructional workload metrics (including course assignments, credit hours and degrees awarded), and includes data on the contributions of full-time non-tenured/non-tenure track faculty when calculating an institution's instructional effort and workload averages. The key metric used for measuring instructional activity under the Regents' policy is the course unit (CU). One course unit is defined as a standard three-credit lecture course, and all other courses and instructional activity, including individual instruction (i.e., undergraduate research, dissertation research, etc.), are converted to course units using conversion factors defined in the USM policy. Instructional activity in this report is defined primarily in course units.

Discussion of faculty instructional workload can best be informed by an understanding of the distinctive missions across higher education institutions and the varied roles of faculty. A brief introductory discussion of three fundamental questions provides a richer context for interpreting the data presented in this report: (1) Who are the faculty? (2) What do they do? and (3) How can we further refine measures of productivity in keeping with USM Regents policy.

Faculty Profile

There are several types of faculty at an institution: tenured/tenure-track faculty, full- and part-time non-tenured/non-tenure-track faculty (who include adjunct faculty, instructors and lecturers) hired primarily for instructional purposes, and full- and part-time research faculty (who are usually funded through grants and contracts) hired primarily to conduct research. The composition of USM institutions' faculty bodies varies depending upon institutional mission, funding, and other factors. Regardless of overall composition, each faculty type is an integral part of the institution and its students' experiences. For example, research faculty members play an important role in the training and mentoring of undergraduate and graduate students in the conduct of research and critical analysis.

Table 1 - 2011-2012 Faculty Composition of USM Comprehensive and Research Institutions (Headcount excluding UMB and UMUC)

Faculty Type	Research		Comprehensive		Total	
	N	%	N	%	N	%
Tenured/Tenure Track *	1,877	39%	1,683	42%	3,560	40%
FT NT/NTT Instructional	405	8%	458	11%	863	10%
FT NT/NTT Research	1,615	34%	4	<1%	1,619	18%
Part-time	918	19%	1,865	47%	2,783	32%
Total	4,815		4,010		8,825	

* Includes those with primary assignments of Instruction or Research

Source: MHEC Employee Data System (EDS)

Table 1 depicts the mix of faculty at all USM institutions. Consistent with the profiles of colleges and universities across the nation, the importance of part-time and full-time non-tenured/non-tenure-track faculty is evidenced in Table 1. These faculty members constitute a majority of all faculty within the USM. One implication of this fact for instructional workload reporting is that focusing only upon tenured/tenure-track faculty provides an incomplete picture of how USM students are taught. Therefore, this report includes information about the contributions of full-time non-tenured/non-tenure-track faculty, as well as tenured/tenure-track faculty, because of their importance to the instructional mission of each USM institution.

Tenured and Tenure Track Faculty

The total number of tenured and tenure-track faculty rose from 3,533 to 3,560 from 2010-2011 to 2011-2012. This represents an increase of 27 (a .7% increase) tenure-track faculty members in a year which saw an increase of more than 1,100 FTE students (a 1.3% increase) system-wide (excluding UMUC and UMB).

The core of any university is its complement of tenured/tenure-track faculty. As such, it is a key measure of the quality of instruction. In addition, it has considerable implications on a campus for the performance of other faculty members as the tenured/tenure-track faculty oversee departmental and discipline curriculum and advising. They also participate

in university committees and department service activities. It can also be taken as an indicator of funding and reflects a university's priorities in the use of resources.

Whether tenured/tenure-track faculty members are at a comprehensive or a research university, they are expected to engage in each of three types of faculty activity: teaching, research, and service. These three activities are highly *integrated* and it is often difficult to separate them into distinct categories thus, a faculty member's research and service to the community enhance his or her expertise and ability to provide quality instruction to students, just as engagement with students can enhance research agendas and allow faculty to provide more informed service to the institution and community. Research is converted into knowledge and incorporated into the instructional curriculum. The Regents' faculty workload policy recognizes that the emphasis on each of these three activities will vary depending on institutional mission and funding.

The Board of Regents' policy on faculty workload recognizes that, because differential assignments of instructional, research, and service responsibilities maximize the effectiveness and efficiency of individual departments and affect how each department contributes to the institutional mission, the focus of external accountability should be "the department or academic unit and not the individual faculty member" (*Policy on Faculty Workload and Responsibilities, Approved by the Board of Regents, August 19, 1994 and amended on July 9, 1999*). Given the responsibilities and professional pursuits of tenured/tenure-track faculty, it is common for academic departments to use this flexibility to meet their instructional, research, and service obligations. Departments allocate instructional assignments among the different types of faculty at their disposal. In so doing, departments can achieve their goals in an efficient, cost-effective manner while advancing the quality of the academic program. Therefore, faculty instructional workload is best reviewed at the department or academic unit level because departments have responsibility for establishing instructional loads, making instructional assignments, and monitoring and reporting how those assignments are carried out. Reporting by USM institutions to USM is done using departments as the basic unit of analysis, with department data aggregated to the institutional level for reporting to the Regents.

2011-2012 INSTRUCTIONAL AND NON-INSTRUCTIONAL PRODUCTIVITY

The remainder of this report for the 2011-2012 academic year is divided into two sections: data related to instructional workload activities of faculty (including efficiency and outcomes data) and data on the scholarship and service activities of faculty. This is done for convenience purposes only. As noted elsewhere, it is often very difficult to separate out these activities because they are highly integrated. Faculty members working with undergraduates on research projects are both teaching and conducting research. Faculty engaged in service learning projects may be teaching, conducting research, and/or providing service. A brief summary and discussion of future issues related to faculty composition and workload conclude the report.

Instructional Productivity at the Department Level

Academic departments are expected to meet the standard instructional expectations set forth by USM and institutional policies. Often, individual faculty members are assigned alternate responsibilities in place of, and at times in addition to, their standard loads. These additional responsibilities are recognized as those related to instruction (such as unusually large advising loads, developing new curriculum or modality of instruction); department administrative duties; and critical research and service activities. Each responsibility is crucial to the success of the institution in creating a quality learning environment for students as well as fulfilling the institutional role in the State as a community resource. Although these recognized responsibilities do not alter the overall teaching expectations of a department or an institution, they will affect the distribution of the teaching assignments among faculty members within a department.

One of the indicators collected from all USM institutions and reviewed at this level is the instructional productivity ratio for each department. For tenured/tenure-track faculty, this ratio is the number of course units taught by tenured/tenure-track faculty divided by the number of course units expected to be taught by those faculty members. The number of course units expected to be taught is based on the expected load for each full-time equivalent (FTE) tenured/tenure-track faculty member, with adjustments made for externally funded research, sabbaticals, and non-credit bearing instructional activity. Thus, an outcome of 1.00 would mean that the tenured/tenure-track faculty members of a department or institution taught 100% of the expected course units, while a number greater than 1.00 indicates that a department or institution exceeded expectations. When academic departments do not achieve a ratio of 1.00/1, it is the responsibility of the appropriate institutional academic officers to examine why and to take action necessary to correct the situation.

Table 2 displays the instructional productivity percentages for each USM institution. The data indicate that the tenured/tenure-track faculty members of each USM institution are generating more course units than expected based on the Board of Regents' policy. Those faculty members at comprehensive institutions collectively produced a ratio of 1.1/1, meeting 112% of Regents policy expectations and those at the research institutions produced a ratio of 1.5/1 and met 153% of the Regent's policy expectations. 8 of 9 institutions exceeded expectations, and collectively USM faculty in 2011-2012 exceeded the Regents' expectations, as set by Regents' policy.

Table 2 - Percent of Expected Course Units taught, by Institution (2011-2012)

Institution	Total # of Depts.	Total FTEF	Expected CUs	Actual CUs	% of Expectations Met
Bowie	17	143	951	1071	113%
Coppin	18	126	913	1049	115%
Frostburg	27	186	1258	1377	110%
Salisbury	27	223	1398	1687	121%
Towson	34	473	3271	3332	102%
UB	7	58	398	379	95%
UMES	19	114	612	936	153%
All Comprehensives	149	1323	8801	9831	112%
UMBC	32	335	1542	2269	147%
UMCP	62	1186	4263	6641	156%
All Research	94	1521	5805	8910	153%

Notes: Percentages are calculated for all departments using instructional data from T/TT faculty. Excluded are faculty on sabbatical and those exempted as a result of illness or death. Adjustments are also made for instruction-related activity and external funding. Data for UB, SU and TU exclude the business and law schools because accreditation requires law faculty to teach 4.0 CU's and business faculty to teach 6.0 CU's annually.

Average Course Units Taught Per Faculty

The most rigorous measure of faculty workload, which discounts virtually all exemptions, is the Average Course Units Taught Per Faculty. Table 3 shows the five-year trends for the number of course units taught per FTE tenured/tenure-track faculty. During the 2011-2012 academic year, tenured/tenure-track faculty at the USM comprehensive institutions taught an average of 7.4 course units while the tenured/tenure-track faculty at the USM research institutions taught an average of 5.9 course units. In 2011-2012, 6 of 9 USM institutions reported a level of instructional productivity for their tenured/tenure-track faculty members at or above the expectation.

Towson University and the University of Baltimore reported lower than expected faculty workload by this measure. At Towson University, this reflects a number of trends including increased research activity (which rose by 18% from 2009 to 2011 even as other institutions have struggled to maintain current levels, see table 10). At the University of Baltimore, ongoing reorganization of the institutions academic programs and departments continues to frustrate efforts to meet required levels. A large number of faculty at UB are in the Law and Business schools where accreditation standards require faculty to teach less than the stipulated workload. Even within the small complement of faculty covered by the policy requirements of other disciplinary accreditors have limited UB's ability to improve attainment and led to the lowest levels in five years. Because of the small number of faculty not covered by these requirements there tends to be more variation in this institution than others covered by this policy.

Table 3 - Trends in Average Course Units (CU) Taught by Tenured/Tenure-Track Faculty (2007-2008 thru 2011-2012)

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
INSTITUTIONS	CU /FTEF	CU /FTEF	CU /FTEF	CU /FTEF	CU /FTEF
BSU	7.9	7.5	7.3	8.2	7.5
CSU	8.5	7.9	7.9	8.1	8.3
FSU	7.8	7.5	7.5	7.5	7.4
SU	7.9	7.9	7.6	7.6	7.6
TU	6.9	7.0	7.0	7.1	7.0
UB	7.3	7.1	7.1	6.8	6.6
UMES	7.4	7.7	8.4	7.7	7.6
Comprehensives					
Avg.	7.5	7.4	7.4	7.5	7.4
UMBC	6.0	6.1	6.6	6.6	6.8
UMCP	5.8	5.7	5.8	5.9	5.6
Research Avg.¹	5.8	5.8	6.0	6.0	5.9

¹ Research institutions may include Only State Supported FTE at their discretion

Note: The Course unit calculations for Salisbury, Towson and UB omit the schools of law and business because accreditation requires law faculty to teach 4.0 CU's and business faculty to teach 6.0 CU's.

In addition to the tenured/tenure-track faculty, the non-tenured/non-tenure-track instructional faculty members contribute to and support the instructional goals of each institution. Table 4 shows the average course units taught by these two groups of full-time instructional faculty combined. In AY 2011-2012, the total course units taught by tenured/tenure-track and full-time non-tenured/non-tenure-track instructional faculty averaged 7.6 at the comprehensive institutions and 5.9 at the research institutions.

Table 4 - Average Course Units Taught by Tenured/Tenure-Track & FT Non-tenured/Non-tenure-track Instructional Faculty (2010-2011 and 2011-2012)

Institution	2010-2011			2011-2012		
	FTEF	CU's	AVG CU's	FTEF	CU's	AVG CU's
BSU	206	1,702	8.3	199	1,541	7.7
CSU	135	1,210	9.0	146	1,312	9.0
FSU	218	1,627	7.5	218	1,602	7.4
SU	310	2,388	7.7	298	2,314	7.8
TU	690	5,284	7.7	704	5,226	7.4
UB	61	476	7.8	72	472	6.5
UMES	174	1,409	8.1	178	1,347	7.6
Comprehensives	1,794	14,096	7.9	1,780	13,814	7.6
UMBC	432	3,001	6.9	440	3,016	6.9
UMCP	1,369	8,006	5.8	1,429	8,053	5.6
Research*	1,801	11,007	6.1	1,869	11,069	5.9

* Research Universities may include only State Supported FTE at their discretion in addition to Full-time Non-tenured

Note: Salisbury, Towson and UB's FTE's and CU's are adjusted to omit the schools of business and law.

Average Credit Hour Generation per Faculty

Table 5 displays the FTE and the average credit hours generated over the past three years by tenured/tenure-track faculty. In 2011-2012, tenured/tenure-track faculty members at USM institutions semester credit hour productivity varied considerably but remained relatively stable at most institutions. Table 6 includes full-time non-tenured/non-tenure-track faculty members and reflects this same trend at 7 of 9 institutions. These data can be interpreted to imply that USM institutions are successfully managing faculty and maintaining class size and distribution at the level established over the last several years.

Table 5 - Trends in the Average Credit Hours Generated by Tenured/Tenure-Track Faculty (2009-2010 thru 2011-2012)*

Institution	2009-2010		2010-2011		2011-2012		Avg. SCH
	FTEF	Avg. SCH	FTEF	Avg. SCH	FTEF	Avg. SCH	
BSU	137	550	145	461	143	526	512
CSU	126	299	125	343	126	263	302
FSU	186	496	182	503	186	496	498
SU	228	552	233	557	223	606	572
TU	475	419	459	425	473	402	415
UB	45	392	56	381	58	404	392
UMBC	326	371	334	371	335	363	368
UMCP	1153	511	1145	500	1186	491	501
UMES	101	725	123	896	114	448	690

* Excluded are faculty on sabbatical and those exempted as a result of illness or death. Adjustments are also made for instruction-related activity and external funding. Salisbury, Towson and UB's FTEs are adjusted to omit the schools of business and law.

Table 6 - Trends in the Average Credit Hours Generated by Tenured/Tenure-Track Faculty AND Full-Time, Non-Ten./Non-Ten.-track Instructional Faculty (2009-2010 thru 2011-2012)*

Institution	2009-2010		2010-2011		2011-2012		3 year
	FTEF	Avg. SCH	FTEF	Avg. SCH	FTEF	Avg. SCH	Avg. SCH
BSU	177	570	206	506	199	561	546
CSU	141	284	135	382	146	255	307
FSU	219	491	218	498	218	494	494
SU	307	546	310	560	298	615	574
TU	694	439	690	449	704	425	438
UB	69	418	61	496	72	419	444
UMBC	422	465	432	474	440	456	465
UMCP	1368	580	1,369	572	1,429	568	573
UMES	143	744	174	789	143	542	692

* Excluded are faculty on sabbatical and those exempted as a result of illness or death. Adjustments are also made for instruction-related activity and external funding. Salisbury, Towson and UB's FTEs are adjusted to omit the schools of business and law.

Faculty Workload at the University of Maryland, Baltimore

UMB applies a set of standards that are more appropriate for its professional schools for judging faculty workload. UMB reports that 94% of all core faculty met or exceeded the institution’s standard faculty workload. When compared to previous years, this represents a consistent level of attainment in meeting the standard workload. More than half of the faculty exemptions from teaching the standard load did so to pursue externally funded or department supported research and service.

Student Outcomes (Degrees Awarded and Time-to-Degree)

All of the measures of faculty instructional productivity which have been presented to this point are measures of production efficiency within the system; however, the question is ultimately one of outcome efficiency in terms of degrees produced. The student receiving a high quality degree in a reasonable period of time is the end product which defines success for students, faculty, and the public. Increase or decrease in number of degree recipients reflects the institution’s growth in enrollment, success in retaining students to graduation, and the faculty’s productivity. The number of graduating students has risen steadily in recent years and is at the highest level yet achieved by the USM. Table 7 reports the degrees recipients at USM institutions for the last 5 years.

Table 7 - Trends in the Undergraduate Degrees Recipients (FY 2007-2011)

Institution	2007	2008	2009	2010	2011
BSU	621	616	613	606	683
CSU	376	293	358	378	379
FSU	801	790	752	768	850
SU	1,439	1,553	1,608	1,661	1,709
TU	3,120	3,204	3,380	3,625	3,948
UB	507	517	528	516	631
UMBC	1,914	1,844	1,798	1,915	1,905
UMCP	6,107	6,311	6,704	6,569	6,987
UMES	436	448	429	463	506
Total	15,321	15,576	16,170	16,448	17,598

Source: Degree Information System

As part of the Effectiveness and Efficiency effort implemented by the USM Board of Regents, improving student time-to-degree has been identified as a major academic initiative. The most recent graduating class maintained a very rapid time-to-degree although it has retreated somewhat from the best performance achieved last year. This may represent the impact of reduced course offerings in the face of the difficult financial straits and may also indicate the limits of reduction of time to degree under current academic program structures and organization. Many factors can influence a student’s time-to-degree including level of pre-enrollment preparation, need to work while enrolled, requirements of degree program, and the degree of clear realistic planning by the student. The ability of students to rapidly and successfully matriculate is also dependent on efficiency and productivity of the faculty, the quality of advising, and the appropriateness of course offerings. Changes in time-to-degree are thus, in part, a

reflection of faculty productivity. In recent years, the system overall has seen progress in this area. Table 8 presents the time to degree of recent class cohorts. Table 9 illustrates changes in the four-year graduation rates which, although only a part of the graduation rate picture, are a useful supplemental measure of time to degree. When taken together these elements place the process measures into a more complete context.

Table 8 - Undergraduate Time-to-Degree in Semesters

	Entering Year							
	1997	1998	1999	2000	2001	2002	2003	2004
BSU	9.7	10.0	9.6	10.0	9.7	9.5	9.5	9.9
CSU	10.8	10.3	9.8	10.3	10.0	10.3	9.5	10.5
FSU	9.3	9.3	9.2	9.2	9.2	9.2	9.1	9.2
SU	8.5	8.6	8.3	8.5	8.6	8.7	8.3	8.1
TU	9.1	9.0	9.0	9.0	8.9	8.8	8.7	9.0
UMBC	9.4	9.3	9.1	9.2	9.1	9.2	8.8	9.1
UMCP	9.1	8.9	8.7	8.7	8.6	8.4	8.4	8.5
UMES	9.2	9.1	9.0	9.0	8.8	8.7	8.6	8.6
All USM	9.2	9.0	8.9	8.9	8.8	8.7	8.6	8.7

Source: Degree Information System, Enrollment Information System

Note: Time-to-degree will vary from institutionally produced figures. They include students excluded from IPEDS rates, students graduating from any USM institutions, and part-time students. UB is not included in these data because they have only recently begun admitting first-time freshmen students

Table 9 - 4-Year Graduation Rate

	Entering Year				
	2003	2004	2005	2006	2007
BSU	14%	15%	23%	11%	14%
CSU	4%	4%	4%	5%	4%
FSU	24%	24%	21%	19%	24%
SU	48%	49%	48%	50%	49%
TU	44%	39%	40%	38%	39%
UMBC	35%	35%	34%	37%	35%
UMCP	58%	58%	61%	59%	61%
UMES	20%	20%	14%	14%	14%
All USM	41%	40%	41%	39%	40%

Source: Degree Information System, Enrollment Information System

Notes: Rates will vary from institutionally produced rates. Graduation rates include students excluded from IPEDS rates and students graduating from any USM institutions. UB is not included in these data because they have only recently begun admitting first-time freshmen students.

2011-2012 Scholarship and Service Activity

Table 10 is a summary of the scholarship and service activity of the USM faculty from degree-granting institutions (including UMB). Data show that in AY 2011-2012, USM faculty published more than 750 books and over 11,000 peer-reviewed articles and made or participated in more than 13,000 professional presentations and creative activities. These levels remain at among the highest levels of scholarly production since these measures have been tracked. The average USM faculty member spent approximately 14 days in public service to business, government, schools, and non-profit organizations.

Table 10 also records the level of external funding received by USM institutions, as reported by each institution's Office of Sponsored Programs. In AY 2011-2012, the USM was awarded over 1.2 billion dollars in external awards which represents a decline of approximately 2% or 25 million dollars. Despite this decline, the level remains higher than in 2008-2009, and represents the third consecutive year with grants beyond 1.2 billion. These data reflect the overall grants and contract productivity for each institution. This 1.2 billion dollar level represents the highest total achieved in the USM, both at the research and at the comprehensive institutions. Although, USM faculty are primarily responsible for their campus' external funding levels, not all external funding is attributable to tenured/tenure-track faculty. Staff and other research faculty also attract external dollars.

As State funding has decreased, external funding has become even more critical for higher education. It is used as a criterion for ranking institutions nationally, supports the creation and transfer of new technologies, contributes to the economic development of critical areas in Maryland, provides community services to underserved populations, feeds into the creation of new curriculum and course development and, most importantly, assures that students receive their instruction from faculty members who are recognized as being at the cutting edge of their disciplines.

Table 10
Scholarship and Service of the USM Faculty, * AY 2011-2012

	# FTEF Faculty	# of Books Published	# of Refereed Publications	# of Non-Ref. Publications	# Creative Activities	Professional Present.	Days in Pub. Service per FTEF	External Grants & Contracts
<i>Comprehensive</i>								
BSU	216	14	39	29	18	143	10.1	\$17,514,819
CSU	164	11	65	58	79	128	15.6	\$9,982,044
FSU	245	14	148	212	288	237	12.1	\$3,110,178
SU	364	9	134	87	256	240	8.1	\$6,317,079
TU	830	71	752	334	1050	903	12.5	\$24,084,837
UB	189	31	185	59	97	279	8.3	\$5,252,275
UMES	192	14	39	29	18	143	10.1	\$19,293,079
<i>Research</i>								
UMB	1,767	228	5479	853	2684	3668	8.5	\$524,909,562
UMBC	488	89	707	74	375	1234	6.7	\$69,157,727
UMCP	2,064	278	4054	7085	368	802	24.5	\$500,189,610
UMCES								22,888,109
Total USM	6,519	759	11,602	8,820	5,233	7,777	14.3	\$1,202,699,319

Source: Faculty Non-instructional Activity Survey (all categories except External Grants and Contracts), 2012 Annual Extramural Awards Survey "Total Less other USM" (External Grants and Contracts category)

* Includes Ten/Ten Track, department chairs, & FT Non-tenure/non-tenure-track instructional and research faculty from all departments for the entire institution.

SUMMARY

This report provides summary data for USM for the academic year 2011-2012. The data indicate that in 2011-2012 individual USM institutions have, in all but a few instances, successfully met the goals set by Regents' policy often in the face of fiscal strictures. Overall, the core faculty collectively met the expected instructional productivity standards in most categories at both the comprehensive and research institutions. The number of undergraduate and graduate degrees awarded continued to rise rapidly in the past year. The improvement in the "through-put" of students through the system as demonstrated by reduced time to degree and improved 4 year graduation rates remains at a very high level. Finally, non-instructional productivity (i.e., scholarship and service) remains at impressive levels, and external research funding remained very strong at over 1.2 billion dollars in the last year.