

From: [Herness, Scott](#)
To: [Toft, Jill A.](#)
Subject: FW: MS Pharmacology change of delivery to online
Date: Wednesday, March 23, 2016 4:29:23 PM
Attachments: [MS Pharmacology letters of support 2016.03.22.pdf](#)
[MOU MS Pharmacology signed 2016.03.21.pdf](#)
[MS Pharmacology Budget Model.xlsx](#)
[MS Pharmacology CR Online Blended Delivery pg 2.doc](#)

New proposal....

From: Neidecker, Marjorie [mailto:Marjorie.Neidecker@osumc.edu]
Sent: Wednesday, March 23, 2016 11:06 AM
To: Herness, Scott <herness.1@osu.edu>
Subject: MS Pharmacology change of delivery to online

Dear Dean Herness,

The faculty of the department of Biological Chemistry and Pharmacology voted on Oct. 14, 2015 to approve a **change of delivery (from in-person to online) for the existing MS Pharmacology program**. I am attaching the following documents for your consideration and approval:

1. Letters of support from Dr. Dan Clinchot, Vice Dean of Education COM, Dr. Cynthia Carnes, Senior Assoc. Dean COP, and Dr. Michael Bisesi, Senior Assoc. Dean CPH
2. MOU signed by Dr. E. Christopher Ellison, Interim Dean COM, and John Lahey, COM fiscal officer, and Mike Hofherr, ODEE
3. Budget model
4. Board of Regents (Ohio Department of Higher Education) form page 2 (please check that this form is completed properly)

Please let me know if you prefer to receive these documents combined into a single pdf. I would be happy to help answer any questions you may have regarding the proposal and program.

Warm regards,
Margie



Marjorie Neidecker, PhD MEng RN CCRP

Director, Master of Applied Clinical and Preclinical Research

Assistant Professor - Clinical, [Colleges of Nursing and Pharmacy](#)

Adjunct Assistant Professor, [College of Medicine, Dept. of Biological Chemistry and Pharmacology](#)

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THE OHIO STATE UNIVERSITY

Daniel M. Clinchot, MD
College of Medicine

Vice Dean for Education
Associate Vice President for Health Sciences Education

260 Melling Hall
370 West 9th Avenue
Columbus, OH 43210-1238

614-688-3104 Work
614-292-4499 Fax

Dan.Clinchot@osumc.edu

February 23, 2016

M. Scott Herness, Ph.D.
Interim Vice Provost for Graduate Studies and
Dean of the Graduate School
250 University Hall
230 North Oval Mall
Columbus, Ohio 43210-1366

Dear Scott:

The College of Medicine has reviewed and fully endorses the proposed change in delivery method for the Master of Pharmacology. The proposed transition to a fully online program would serve to meet the needs of learners involved in biomedical research and will bring the latest educational methods of delivery for the program. In addition we fully anticipate that this change in delivery will result in a significantly improved enrollment. Please do not hesitate to contact me if you have any questions.

Sincerely,

Daniel M. Clinchot, MD
Vice Dean for Education
Associate Vice President for Health Sciences Education
College of Medicine

letter of support

Carnes, Cynthia [carnes.4@osu.edu]

Sent: Friday, March 18, 2016 3:24 PM

To: Neidecker, Marjorie

Dr. Neidecker,

Thank you for your email and request. The College of Pharmacy currently offers the courses PHR 7570, 7580, 7582, 7584, and 7586 via distance learning mode. You may include these courses in the MS Pharmacology program. We look forward to continuing to work collaboratively with the College of Medicine on programs such as this.

Cynthia Carnes, PharmD, PhD
Professor and Senior Associate Dean for Research and Graduate Studies
College of Pharmacy
The Ohio State University
(614)292-1715

RE: Support for online delivery of MS Pharmacology program

Bisesi, Michael [bisesi.12@osu.edu]

Sent: Friday, March 18, 2016 8:32 AM**To:** Neidecker, Marjorie**Cc:** Sturdivant, Rodney X. [sturdivant.11@osu.edu]; Andridge, Rebecca [andridge.1@osu.edu]; Griffiths, Robert [griffiths.44@osu.edu]

Dr. Neidecker,

Thank you for your email and request. The College of Public Health already offers the courses PUBHBIO6210 via DL mode. In relation, I have committed resources to the Interim Chair of Biostatistics, Dr. Rodney Sturdivant, to move forward with development of a DL version of PUBHBIO6211. Accordingly, you may include both courses in your MS Pharmacology program. Indeed, forming more interdisciplinary, cooperative relationships like this aligns well with goals and initiatives in our College's strategic plan.

Let me know if you have other questions or want to discuss.

Best wishes,

Mike



Michael S. Bisesi, PhD, REHS, CIH

Senior Associate Dean, Academic Affairs

Chair (Interim), Environmental Health Sciences

Fellow, AIHA

College of Public Health

256 Cunz Hall

1841 Neil Ave

Columbus, OH 43210-1351

(614) 247-8290 bisesi.12@osu.edu

(Executive Asst. Melissa Newhouse (614-247-8196; newhouse.37@osu.edu)

or Program Coordinator Erin Strawser (614-688-4388) strawser.34@osu.edu)

From: Neidecker, Marjorie [mailto:Marjorie.Neidecker@osumc.edu]

Sent: Thursday, March 17, 2016 5:09 PM

To: Bisesi, Michael

Subject: FW: Support for online delivery of MS Pharmacology program

Dear Dr. Bisesi,

The Department of Biological Chemistry and Pharmacology in the College of Medicine has offered for many years a MS Pharmacology program with a concentration in Clinical Pharmacology and Clinical Trial Design. The department has proposed a change in delivery of the program from face-to-face to online. We anticipate 12-24 students to enroll in the online program annually.

Two required courses in the program are PUBHBIO 6210 and 6211 - Design and Analysis of Studies in the Health Sciences I and II. PUBHBIO 6210 is currently offered in an online format, and I believe Rob Griffiths in ODEE has spoken to you about offering PUBHBIO 6211 online as well. Would you please consider supporting the online MS Pharmacology students in online sections of these two courses?

Kind regards,
Margie Neidecker

Marjorie Neidecker, PhD MEng RN CCRP

Director, Master of Applied Clinical and Preclinical Research

Assistant Professor - Clinical, [Colleges of Nursing and Pharmacy](#)

Adjunct Assistant Professor, [College of Medicine, Dept. of Biological Chemistry and Pharmacology](#)

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neidecker.1@osu.edu macpr.osu.edu

From: Clinchot, Dan
Sent: Tuesday, February 23, 2016 1:22 PM
To: Neidecker, Marjorie
Cc: LaFramboise, Sidonia
Subject: Re: Support for online delivery of MS Pharmacology program

From: "Neidecker, Marjorie" <Marjorie.Neidecker@osumc.edu>
Date: Thursday, January 21, 2016 at 1:37 PM
To: "Clinchot, Dan" <Dan.Clinchot@osumc.edu>, "Lahey, John" <John.Lahey@osumc.edu>
Cc: "Parthun, Mark" <Mark.Parthun@osumc.edu>, "Kitzmiller, Joseph" <Joseph.Kitzmiller@osumc.edu>, "Simmons, Jennifer" <simmons.232@osu.edu>
Subject: Support for online delivery of MS Pharmacology program

Dear Dan and John,

The faculty of the department of Biological Chemistry and Pharmacology voted on Oct. 14, 2015 to approve a **change of delivery (from in-person to online) for the existing MS Pharmacology program**, and we are requesting your support for the change.

Background:

To help understand the rationale for this proposal, it might help to review a little history on the MS program. You might recall that this degree program has been inexistence for many years, enrolling just 2 students annually on full merit scholarship supported by the now closed Clinical Trials division of Pharmacology. When we designed the interdisciplinary Master of Applied Clinical and Preclinical Research (MACPR) program three years ago, we included a Clinical

Pharmacology specialization modeled after the MS Pharmacology program, and the Department of Pharmacology temporarily stopped accepting applicants for the MS, instead referring interested students to the MACPR program.

Rationale:

The MACPR Clinical Pharmacology specialization has been successful attracting students in the past year and a half. In the 2014-15 academic year, we enrolled 18 students to that specialization alone (37% of all students), an impressive figure given that it was the program's inaugural year. We have, however, lost several prospective applicants for a couple of reasons:

1. Many students prefer a true MS degree, either to better qualify for pharmaceutical research scientist positions, or to be more competitive in applying later to PhD programs, and
2. Several physicians and doctoral-trained scientists who wish to pursue a career as a principal investigator are looking for *online* training, specifically in drug trials (the scope of the MACPR program is broader, covering all types of clinical research). The MS program is unique in that it prepares PIs not only for conducting clinical trials but also in the pharmacology of clinical trials.

Administration:

The online MS Pharmacology program will overlap and complement the MACPR program, with many courses being offered in both curricula. We plan to discontinue the MACPR Clinical Pharmacology specialization once the MS Pharmacology is approved. Our plan is to administer the programs jointly, and as the MACPR program director, I am helping to facilitate the transition of the MS program to online delivery.

Request!

I have a three requests of the two of you:

- 1) Dan and John, would you please review and sign the attached MOU with ODEE?
- 2) Dan, would you please write a letter of support for the change of delivery?
- 3) John, would you please complete the attached Budget Model? I have included 3 related files: a forecast of enrollment, a blank budget model template, and my best guess as to what the completed budget model will be (which you are welcome to either use or scrap!).

Please return these materials to me so I may combine with other supporting documents and send to Scott Herness in the Graduate School as a package.

Questions:

Thank you for your attention to and support of this request. Please feel free to contact me with any questions. Jen Simmons of ODEE is copied on this email and can help answer any questions related to the MOU.

Warm regards,
Margie Neidecker

Marjorie Neidecker, PhD MEng RN CCRP

Director, Master of Applied Clinical and Preclinical Research

Assistant Professor - Clinical, [Colleges of Nursing and Pharmacy](#)
Adjunct Assistant Professor, [College of Medicine, Dept. of Biological Chemistry and Pharmacology](#)

760 Kinnear Rd., 2nd Floor, Columbus, OH 43212
614-247-6181 Office / 614-302-3904 Mobile
neidecker.1@osu.edu macpr.osu.edu

MEMORANDUM OF UNDERSTANDING

College:	Medicine
Department:	Biological Chemistry and Pharmacology
Primary faculty:	Joseph Kitzmiller (Joseph.Kitzmiller@osumc.edu)
Primary contact:	Marjorie Neidecker (neidecker.1@osu.edu)
Fiscal officer:	John Lahey (john.lahey@osumc.edu)
Marketing director:	To be determined
Enrollment contact for state authorization compliance:	Nikki Herbert (herbert.1865@osu.edu)
Additional colleges/contacts:	Mark Parthun, COM BCP director (parthun.1@osu.edu)

ODEE	
Instructional designer:	
Other services:	

Name of program:	MS Pharmacology	
Approval process <i>(change in delivery or new program):</i>	Change in delivery	
Program code:	PHARMCO-MS	
Will this program have a different fee structure from what would normally be assessed similar students at the university? If so, then please explain:	No	
Project scope:	Program objective(s):	
	This program will be successful	This program will be successful

	when (top-ranked, make X money, enroll X students):	when we meet targets for enrollment and growth of 24 students per year entering the program.																		
	Asynchronous/synchronous courses:	All asynchronous.																		
	Total credit hours:	Minimum 30. Most students will complete 36 credits due to unmet prerequisites.																		
	Timeline for completion (# of years as full time and # of years as part time):	Full time: 12 months Part time: 20-24 months (most students will follow part time plan)																		
Project goals:	# of courses to be created:	4: PHARMCL 8250 PHARMCL 8260 PHR 8025 PUBHBIO 6211																		
	# of courses already in an online format that need ODEE review:	0																		
	Date to complete # of courses:	1 course by August 2016 PHARMCL 8250 2 course by January 2017 PHARMCL 8260 PUBHBIO 6211 1 course by August 2017 PHR 8025																		
	Date to complete all courses:	August 2017																		
	# of anticipated students:	<table border="1"> <thead> <tr> <th></th> <th>Entering the Program:</th> <th>Total Enrolled:</th> </tr> </thead> <tbody> <tr> <td>FY16:</td> <td>12</td> <td>12</td> </tr> <tr> <td>FY17:</td> <td>16</td> <td>28</td> </tr> <tr> <td>FY18:</td> <td>20</td> <td>36</td> </tr> <tr> <td>FY19:</td> <td>24</td> <td>44</td> </tr> <tr> <td>FY20:</td> <td>24</td> <td>48</td> </tr> </tbody> </table>		Entering the Program:	Total Enrolled:	FY16:	12	12	FY17:	16	28	FY18:	20	36	FY19:	24	44	FY20:	24	48
		Entering the Program:	Total Enrolled:																	
FY16:	12	12																		
FY17:	16	28																		
FY18:	20	36																		
FY19:	24	44																		
FY20:	24	48																		
State authorization:	For this program, does your college plan to do any of the following outside of Ohio? Yes/No																			
	Maintain a physical location, facility or instruction site (may include server or other equipment or administrative offices)	No																		
	Recruit students (either occasionally or consistently)	No (recruit online only)																		
	Conduct soliciting, marketing or advertising	No (market online only)																		
	Employ full time and/or adjunct faculty (1099/W-2)	No																		



	Conduct experiential learning activities such as clinicals, labs, practicums, internships or externships (where students meet face to face)	Yes (practicum)
	Have contracts, agreements and/or consortiums to provide services to students, such as proctored exams	No
	Have partnerships with educational institutions	No
	Have military students completing coursework	Unknown



Program Timeline								
Course Name	Faculty Lead	OAA Approved	Developed	Students Enrolled	Delivered	Updated and Maintained	Reviewed (every 3 years)	Quality Matters Certified*not required
Example: Principles of Basic Science	J. Smith		AU13	SP14	AU14	SP15	AU16	AU15
Pharmacology 5600 Introduction to General Pharmacology	Villamena Mykytyn	Yes	completed – for MACPR					
Pharmacology 5700 Introduction to Personalized Therapeutics & Pharmacogenomics	Sadee, Papp	Yes	completed – for MACPR					
Pharmacy 7584 Applied Pharmacokinetics and Pharmacodynamics	Phelps	Yes	completed – for MACPR					
Pharmacy 7582 Organ System Toxicology	Wallace	Yes	completed – for MACPR					
HTHRHSC 5500 Introduction to Pathophysiology	Maxwell	Yes	completed					
PH Biostatistics 6210 Design and Analysis of Studies in Health Sciences I	Andridge	Yes	completed					
PH Biostatistics 6211 Design and Analysis of Studies in Health Sciences II	PUBHBIO faculty	Yes	AU 16?	AU16	SP17	AU17	SP19	
Bioethics 6010 Biomedical Research Ethics	Villamena, Alexandru	Yes	See MA Bioethics development plan					
Pharmacology 8250 Design of Clinical Trials I	BCP Faculty or Adjunct	Pending – (requesting credit hour reduction)	SU16	AU16	AU16	SP17	AU18	
Pharmacology 8260 Design of Clinical Trials II	BCP Faculty or Adjunct	Pending – (requesting credit hour	AU16	AU16	SP17	AU17	SP19	



		reduction)						
Pharmacology 7550 Research Applications in Clinical Pharmacology	Kitzmiller	Yes	completed – for MACPR					
Pharmacology 7193.01 Individual Studies in Pharmacology	Kitzmiller, Villamena, Gu	Yes	n/a					
Electives:								
Pharmacy 7570 Pharmaceutical Safety and Risk Management	Besco	Yes	completed – for MACPR					
Pharmacy 7580 Principles of Safety Pharmacology	Roche	Yes	completed – for MACPR					
Pharmacy 7586 Integrative In Vivo Modeling for Drug Development: Application for Safety and Clinical Pharmacology	Pending	Yes	completed – for MACPR					
Pharmacy 8025 Pharmacometrics	Phelps	Yes	SP17	AU16	AU17	SP18	AU19	

Colleges entering into this agreement will:
Secure approval from: <ul style="list-style-type: none"> • Graduate School • Council on Academic Affairs (CAA) • Faculty Senate • Board of Trustees • Board of Regents <ul style="list-style-type: none"> ○ Pages 15-16 of RACGS Guidelines <ul style="list-style-type: none"> □ https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/racgs/documents/RACGS_Guidelines_113012.pdf
Contact the university budget office regarding new program and to request a distance education specific fee table. Differential fees must be approved by the Board of Trustees.
Meet the program standards set forth by your accrediting body (if applicable) for alternative delivery models
Submit courses to curriculum.osu.edu (after CAA approval)
Label students in Student Information System with appropriate subplan. Distance students = subplan ONL
Provide budget forecasting/market analysis using ODEE funding model (attached) <ul style="list-style-type: none"> • Incur the costs for MS Pharmacology program specific advertising • Incur additional costs associated with distance education programming (e.g. student advising, increased TA support)
Communicate to prospective students their ability to enroll and seek federal financial aid <ul style="list-style-type: none"> • Collaborate with ODEE to maintain updates on State Authorization progress • Notify ODEE of states that they want to target students in
Collaborate with ODEE on the technical solutions for effective course delivery: <ul style="list-style-type: none"> • Online-specific syllabus requirements (ODS statement, COAM statement, etc.) • OSU identity/branding guidelines • Carmen course template providing students with effective navigation and online course expectations, etc. • Provide course content materials for placement into mutually agreed upon formats and technologies for distance delivery • Apply the Quality Matters course design rubric • Focus on outcome-based learning and incorporate assessment into courses
Work with faculty on the workload assignment
Participate in stakeholder kickoff meeting after CAA approval
Encourage distance education faculty/instructors/students to participate in ODEE distance education training <ul style="list-style-type: none"> • Specify training requirements here
Collaborate with relevant student support services (ODS, UCAT, WAC, Libraries, Veterans Affairs, etc.) <ul style="list-style-type: none"> • Incur costs to provide required accessibility accommodations for

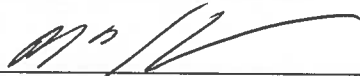
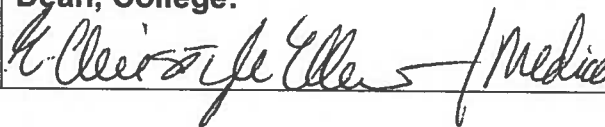


videos and activities not produced by ODEE
<p>Collaborate with ODEE to review and update courses every three to five years or when a substantial change in course technology and/or course objectives will result in an interim review to ensure the technologies and formats remain appropriate for the course content to achieve stated objectives</p> <ul style="list-style-type: none"> Major changes/revisions (25% or more) by an individual instructor between the initial launch of a course and a scheduled review will obtain appropriate curricular approval and review by ODEE to make sure course activities and delivery are still aligned with course objectives
<p>Provide at least one required student participation activity each week in a course</p> <ul style="list-style-type: none"> Course designers will implement activities each week of a course to verify enrollment. This is beyond a simple login to a course space, but constitutes a discussion posting, quiz attempt, artifact submission, etc.
Identify student technology support for tools only used by MS Pharmacology
<p>Complete course production to later than 30 days prior to the start of the semester in which the course is being offered.</p> <ul style="list-style-type: none"> No major changes will be made after this date
<p>Provide replacement instructor(s) in a timely manner should an instructor separate from the university during the course development process or terminate and postpone course development until a replacement instructor can be identified.</p>
ODEE entering into this agreement will:
<p>Administer state authorization program</p> <ul style="list-style-type: none"> Necessary to ensure program meets federal student financial aid guidelines Communicate with the colleges the status of approved state authorizations
<p>Collaborate with the college on the technical solutions for effective course delivery:</p> <ul style="list-style-type: none"> Online-specific syllabus requirements (ODS statement, COAM statement, etc.) OSU identity guidelines Course templates providing students with effective navigation and online course expectations, etc. Placing course content materials into mutually agreed upon formats and technologies for distance delivery Apply the Quality Matters course design rubric
Focus on outcome-based learning and incorporate assessment into courses
Provide instructional designer production time
Conduct stakeholder kickoff meeting after CAA approval
<p>Provide distance education training for faculty/instructors/students</p> <ul style="list-style-type: none"> General Carmen support, help, workshops are currently available



<ul style="list-style-type: none"> Additional DE-specific resources not currently available, to be created
<p>Collaborate with the college to review and update courses every three to five years or when substantial change in course technology and/or course objectives will result in an interim review to ensure the technologies and formats remain appropriate for the course content to achieve stated objectives.</p> <ul style="list-style-type: none"> Major changes/revisions (25% or more) by an individual instructor between the initial launch of a course and a scheduled review will be reviewed by ODEE to make sure course activities and delivery are still aligned
<p>Collaborate with course instructors to provide at least one required student participation activity each week in a course</p> <ul style="list-style-type: none"> Course designers will implement activities each week of a course to verify enrollment. This is beyond a simple login to a course space, but constitutes a discussion posting, quiz attempt, artifact submission, etc.
<p>Provide distance education faculty and students access to:</p> <ul style="list-style-type: none"> An OCIO managed 24/7 Tier 1 help desk for ODEE/OCIO provided tools/services
<p>Provide OSU online program advertising</p> <ul style="list-style-type: none"> Produced program specific introductory video Consult with college marketing on strategies for program specific advertising Program included in general OSU online marketing strategy Marketing will only be conducted in states in which the program has been authorized
<p>Complete course production to later than 30 days prior to the start of the semester in which the course is being offered.</p> <ul style="list-style-type: none"> No major changes will take place after this date
<p>Collaborate with program directors to revise the course development process should an instructor separate from the university during that time. Options include continue work on course through the end of the 14 week development process with a replacement instructor or terminate and postpone course development until a replacement instructor can be identified.</p>

***Products and services used will be held to each service level of agreement.**

MOU created by:	Marjorie Neidecker	
MOU approved by:	Mike Hofherr, ODEE:	Date:
		3.21.2014
	Dean, College:	Date:
		2/17/16



PROGRAM REVENUE PROJECTION

Approved by:	College Fiscal Officer: <i>John J. Sabag</i>	Date: <i>2/16/16</i>
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Office of Distance Education and eLearning (ODEE)
Distance Education Program Revenue *Projection - DRAFT*

05/09/16

College:	College of Medicine
Program Name:	MS Pharmacology with a specialization in Clinical Pharmacology and Clinical Trial Design

Number of Courses:	6
Total Credit Hours	18
Rank	Graduate
Residency (in/Out State Split)	50% eligible

Rank		FY16	FY17	FY18	FY19	FY20
Graduate	# of Courses	6 Course	6 Course	6 Course	6 Course	6 Course
	# of Students	12 Students	28 Students	36 Students	44 Students	48 Students
	# of Credit Hours	18 Cr Hours	18 Cr Hours	18 Cr Hours	18 Cr Hours	18 Cr Hours
	Total Credit Hours of Instruction	216.0 hours	504.0 hours	648.0 hours	792.0 hours	864.0 hours
	Instructional Fee					
	Fees - Effective Rates		\$851.82	\$851.82	\$851.82	\$851.82
	State Subsidy		\$477.51	\$477.51	\$477.51	\$477.51
	Projected Fees		\$92,000	\$306,660	\$490,650	\$613,310
	Projected Subsidy		\$25,790	\$85,950	\$137,520	\$171,900
	Projected Revenue Generated		\$0	\$117,790	\$392,610	\$628,170

Marginal Revenue	\$0	\$117,790	\$274,820	\$235,560	\$157,040
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Support Units Tax rate	24%	24%	24%	24%	24%
Support Units Tax	\$0	\$28,270	\$65,960	\$56,530	\$37,690
<i>Cumulative Support Units Tax</i>	<i>0</i>	<i>28,270</i>	<i>94,230</i>	<i>150,760</i>	<i>188,450</i>
Net Margin	\$0	\$89,520	\$208,860	\$179,030	\$119,350

Colleges Share %	70%	70%	80%	80%	80%
Colleges Share - Annual PBA	\$0	\$62,660	\$167,090	\$143,220	\$95,480
Colleges Share (Cumulative Cash Generated)	\$0	\$62,660	\$229,750	\$372,970	\$468,450

ODEE Share %	30%	30%	20%	20%	20%
ODEE Share Annual PBA	\$0	\$26,850	\$41,770	\$35,800	\$23,870
ODEE Share (Cumulative Cash Generated)	\$0	\$26,850	\$68,620	\$104,420	\$128,290

Current Budget Model:						
SSA 1 - Student Service Assessment 1 - UG - \$107.38		\$0	\$0	\$0	\$0	
SSA 2 - Student Service Assessment 2 - Grad - \$397.49		\$42,930	\$143,100	\$228,950	\$286,190	
SSA 3 - Student Service Assessment 3 - \$5.00		\$540	\$1,800	\$2,880	\$3,600	
Total Current Assessments		\$0	\$43,470	\$144,900	\$231,830	\$289,790

College Assessment savings under new model	\$0	\$16,620	\$76,280	\$127,410	\$161,500
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Assumptions:

No other Student Services Assessments would apply to Colleges under this model.
 The Distance Education assessment applies to marginal revenues.
 The Distance Education assessment only apply to students who are 100% distance Ed.
 No inflationary adjustment is taken for instructional fees.
 The projected numbers in this model are best estimates and the actual allocations might be slightly different.

Revenue and Assessments Calculation is based on the following current FY14 rates:

	Fees	Subsidy
Undergraduate	\$345.18	\$184.18
Graduate	\$851.82	\$477.51