April 25, 2011

MEMORANDUM

TO: John Townshend
Dean, College of Behavioral and Social Sciences

FROM: Elizabeth Beise EJB
Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Modify the Bachelor’s Program in Psychology (PCC log no. 10051)

At its meeting on April 1, 2011, the Senate Committee on Programs, Curricula and Courses approved your proposal to modify the curriculum of the Bachelor’s Program in Psychology. A copy of the approved proposal is attached.

The change is effective Fall 2011. The College should ensure that the change is fully described in the Undergraduate Catalog and in all relevant descriptive materials, including the program’s four-year plan (contact Lisa Kiely at lkiely@umd.edu for more information), and that all advisors are informed.

MDC/

Enclosure

cc: David Salness, Chair, Senate PCC Committee
Sarah Bauder, Office of Student Financial Aid
Reka Montfort, University Senate
Erin Howard, Office of Information Technology
Donna Williams, Institutional Research & Planning
Anne Turkos, Archives
Linda Yokoi, Office of the Registrar
James Dietz, Undergraduate Studies
Katherine Beardsley, Behavioral and Social Sciences
Thomas Wallsten, Psychology
College/School:
Please also add College/School Unit Code-First 8 digits: 01202800
Unit Codes can be found at: https://hypprod.umd.edu/Html_Reports/units.htm

Department/Program:
Please also add Department/Program Unit Code-Last 7 digits: 1282501

Type of Action (choose one):

X Curriculum change (including informal specializations)  □ New academic degree/award program
□ Renaming of program or formal Area of Concentration  □ New Professional Studies award iteration
□ Addition/deletion of formal Area of Concentration  □ New Minor
□ Suspend/delete program  □ Other

Italics indicate that the proposed program action must be presented to the full University Senate for consideration.

Summary of Proposed Action:

We are proposing a change in our LEP Math gateway requirement. We would like to add both STAT 100 and MATH 130 to our current math gateway requirements of MATH 111, MATH 140 or MATH 220. We believe that these two courses are equivalent to our current math gateway courses. Currently a student cannot earn credit for both MATH 111 and STAT 100. MATH 130 is a new calculus course required of students in the College of Computer, Mathematical and Natural Sciences. It is considered equivalent to MATH 140 and MATH 220. By adding these courses to our required math gateways students who have already taken these courses will not have to lose credit when they apply to Psychology.
Proposal to Revise the Mathematics Gateway Requirement
For the Limited Enrollment Program in the Department of Psychology

Current Requirements

As a Limited Enrollment Program major, Psychology has three gateway requirements that students must complete in order to be admitted to the major. One of these requirements is a mathematics course which serves as a prerequisite for PSYC 200 – Psychological Statistics. Currently we accept MATH 111, MATH 140 or MATH 220 as the mathematics gateway courses for the major.

Proposed Requirements

We are proposing to add STAT 100 as an appropriate mathematics gateway courses for Psychology. In addition, we are proposing that we accept MATH 130 as a gateway requirement only for students who transfer into our major from the College of Computer, Mathematical and Natural Sciences.

Rationale for Change

Currently, a student may not earn credit for both MATH 111 and STAT 100; neither may a student earn credit for MATH 130 and MATH 140 or MATH 220. The campus deems these courses as equivalent courses. Potentially a student could lose credit if he/she entered UM with STAT 100, for example, and then was required to take MATH 111. Similarly, a student who starts in the College of Computer, Mathematical and Natural Sciences and is required to take MATH 130 for their math gateway in that College, could not count that credit if they transferred into PSYC or added PSYC as a double major.

Table 1 shows data on PSYC majors’ enrollment in the various mathematics gateway courses and whether they took the course here at UM or transferred in credit from another institution or through Advanced Placement. As evident in the table, the majority of students are taking MATH 111, MATH 140 or MATH 220 here at UM. A higher number of transfer students come with STAT 100. Upon admission to UM they hope to start right into their Psychology major, however many are admitted to Letters and Sciences because they don’t have the correct math gateway. Many have to take an additional math course which slows down their progress toward their degree. The actual number of students who would be helped by this change is 15% of the total number of PSYC majors.

<table>
<thead>
<tr>
<th></th>
<th>Total #</th>
<th>At UMCP</th>
<th>Transfer</th>
<th>Advanced Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 111</td>
<td>680</td>
<td>652</td>
<td>28</td>
<td>n/a</td>
</tr>
<tr>
<td>Math 130</td>
<td>16</td>
<td>16</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Math 140</td>
<td>464</td>
<td>103</td>
<td>86</td>
<td>275</td>
</tr>
<tr>
<td>Math 220</td>
<td>628</td>
<td>562</td>
<td>66</td>
<td>n/a</td>
</tr>
<tr>
<td>Stat 100</td>
<td>305</td>
<td>34</td>
<td>139</td>
<td>131</td>
</tr>
<tr>
<td></td>
<td>2093</td>
<td>1367</td>
<td>319</td>
<td>346</td>
</tr>
</tbody>
</table>

*Data from ADVISE on the Web 10/26/10

We have been accepting STAT 100 and MATH 130 on an informal, case-by-case basis over the past several years. In an effort to address courses that are viewed by the campus as equivalents and improve student time to degree, this change makes good sense. However we need to formalize this and make these courses part of our LEP requirements.
From: "William R. Schildknecht" <wrs@math.umd.edu>
To: Marcy Marinelli <mmarinelli@psyc.umd.edu>
CC: <wschildk@umd.edu>
Date: 10/29/2010 3:34 PM
Subject: Re: Proposal to change PSYC LEP Math gateways

I believe that will be a good change.

On Wed, 27 Oct 2010, Marcy Marinelli wrote:

> Hi Bill - I sent this to your old wrs@umd.edu e-mail and it bounced back so I am resending this...
> >
> Hi Bill and Joelle -
> > I hope this finds you both well. PSYC is proposing to change it's gateway math requirements to avoid some issues of duplicate credit that our students are dealing with. Currently, our math gateways are MATH 111, MATH 140 and MATH 220. We get students who come into the major already having taking MATH 130 and STAT 100. Since the campus considers these two courses equivalent to MATH 111 and MATH 140/220, respectively, our students have to take an additional course, or lose credit by taking the math gateway. For students in CMNS who transfer into psyc or double major, it's a no-brainer that we would accept MATH 130. But the campus wants us to have this formally approved. Additionally, more students are coming with AP credit for STAT 100 or transfer credit so we think it makes sense to add STAT 100 as an approved gateway.
> >
> I'm attaching the document that I am preparing for campus. I am proposing that we add STAT 100 as an official math gateway course, and that we accept MATH 130 (but not make it an official math gateway course) for students who come into PSYC from CMFS.
> >
> Can you let me know if you see any problems with this? I believe I need to have support from the departments involved so I may need you to e-mail me a support letter. Bill - I wasn't sure if you dealt with the STAT 100 course. If not, can you refer me to the right person?
> >
> Thanks for considering this proposal.
> >
> Best,
> > Marcy
> >
> Marcy Marinelli, Ph.D., NCC
> Director of Undergraduate Studies
> Department of Psychology
> 1107 Biology-Psychology Building
> University of Maryland
> College Park, MD 20742-4411
> 301-405-5866
> mmarinelli@psyc.umd.edu
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