

FORT WAYNE SENATE AGENDA
MONDAY
December 8, 2014
12:00 P.M., KT G46

1. Call to order
2. Approval of the minutes of November 10, 2014
3. Acceptance of the agenda – K. Pollock
4. Reports of the Speakers of the Faculties
 - a. Purdue University – P. Dragev
 - b. Indiana University – J. Badia
5. Report of the Presiding Officer – A. Downs
6. Committee reports requiring action
 - a. Indiana University Committee on Institutional Affairs (Senate Reference No. 14-10) – J. Badia
 - b. Budgetary Affairs Subcommittee (Senate Document SD 14-13) – P. Iadicola
 - c. Curriculum Review Subcommittee (Senate Document SD 14-14) – K. Pollock
 - d. General Education Subcommittee (Senate Document SD 14-15) – A. Livschiz
 - e. Educational Policy Committee (Senate Document SD 14-16) – C. Gurgur
 - f. Educational Policy Committee (Senate Document SD 14-17) – C. Gurgur
 - g. Educational Policy Committee (Senate Document SD 14-18) – C. Gurgur
7. Question Time
 - a. (Senate Reference No. 14-12) – A. Livschiz
 - b. (Senate Reference No. 14-13) – A. Schwab
8. New business
9. Committee reports “for information only”
 - a. Curriculum Review Subcommittee (Senate Reference No. 14-14) – K. Pollock
10. The general good and welfare of the University
11. Adjournment*

*The meeting will recess or adjourn by 1:15 p.m.

Approving
J. Badia
J. Casazza
A. Down
P. Dragev
K. Pollock
A. Schwab
N. Younis

Non Voting
J. Malanson

Absent

Attachments:

“Slate for the Election of the Indiana University Faculty Board of Review” (SR No. 14-10)

“Amendment of the Bylaws of the Senate” (SD 14-13)

“Approval of replacement member of the Curriculum Review Subcommittee” (SD 14-14)

“Approval of replacement member of the General Education Subcommittee” (SD 14-15)

“Change in Regulation, Effective Fall 2015, Academic Probation, Dismissal and Readmission”
(SD14-16)

“Proposal to Change Academic Regulation 1.3- Undergraduate Student Classification”
(SD 14-17)

“Proposal to changes in Minors Designation at IPFW” (SD 14-18)

“Question Time – re: Overtime Policy for nonexempt employees” (SR No. 14-12)

“Question Time – re: Differential tuition” (SR No. 14-13)

“Bachelor of Science in Biology: Concentration in Microbiology and Immunology”
(SR No. 14-14)

MEMORANDUM

TO: Indiana University Senators

FROM: Janet Badia, Chair
Indiana University Committee on Institutional Affairs

DATE: November 24, 2014

SUBJ: Slate for 2015-2016 Faculty Board of Review Election

Here is the slate of Indiana University tenured faculty members who have indicated their willingness to serve on the IPFW Faculty Board of Review. Members of this body will be elected by Senators with Indiana University affiliation at the Senate meeting on December 8.

sm

Slate

Sheena Choi
Brian Fife
Cigdem Gurgur
John Hrehov
M. Gail Hickey
Augusto De Venanzi
Karla Zepeda

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Jeff Malanson, Chair
Budgetary Affairs Subcommittee

DATE: November 4, 2014

SUBJ: Amendment of the Bylaws of the Senate

WHEREAS, The Bylaws of the Senate provide that the Budgetary Affairs Subcommittee “may offer commentary and make recommendations” (5.3.5.1.2) on the “Undertaking of major fund-raising efforts for the campus” (5.3.5.1.2.3); and

WHEREAS, These fund-raising activities are now the purview of the recently established Vice-Chancellor for Advancement; and

WHEREAS, The Bylaws of the Senate authorize the Budgetary Affairs Subcommittee to “request the Chief Administrative Officer, the chief officers in charge of academic affairs, student affairs, and finance, or their representatives to meet with the Subcommittee for the purpose of discussion, data-gathering, or other activities pertinent to the duties of the Subcommittee” (5.3.5.1.1); and

WHEREAS, The Bylaws of the Senate to not explicitly authorize the Budgetary Affairs Subcommittee to request the Vice-Chancellor for Advancement, or their representative, to meet with the Subcommittee;

BE IT RESOLVED, That section 5.3.5.1.1 of the Bylaws of the Senate be amended as follows (language to be stricken is crossed out; language to be added is in bold):

“The subcommittee may request the Chief Administrative Officer, the chief officers in charge of academic affairs, student affairs, ~~and~~ finance, **and advancement**, or their representatives to meet with the Subcommittee for the purpose of discussion, data-gathering, or other activities pertinent to the duties of the Subcommittee.”

<u>Approving</u>	<u>Not Approving</u>	<u>Not Present</u>
Susan Anderson	Jeff Malanson	Peter Ng
Noor Borbieva	Deb Poling	
Cigdem Gurgur		
Steven Hanke		
Peter Iadicola		

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Laurie Corbin, Chair
Curriculum Review Subcommittee

DATE: November 10, 2014

SUBJ: Approval of replacement members of the Curriculum Review Subcommittee

WHEREAS, The Bylaws of the Senate provide (5.1.2.) that "... Senate Committees ... shall have the power to fill committee vacancies for the remainder of an academic year, subject to Senate approval at its next regular meeting"; and

WHEREAS, There are two vacancies on the Curriculum Review Subcommittee with no representation from the College of Health and Human Services or the College of Education and Public Policy; and

WHEREAS, The chair of the Curriculum Review Subcommittee has invited Dr. Cheryl Duncan of the College of Health and Human Services, and Dr. Gail Hickey of the College of Education and Public Policy to serve as replacement members for the remainder of the 2014-2015 academic year;

BE IT RESOLVED, That the chair of the Curriculum Review Subcommittee requests the Executive Committee to forward these appointments to the Senate for approval.

Note: Questions concerning this document should be addressed to Laurie Corbin at 481-6631 or corbin@ipfw.edu

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Andrew Downs, Chair
General Education Subcommittee

DATE: November 11, 2014

SUBJ: Approval of replacement members of the General Education Subcommittee

WHEREAS, The Bylaws of the Senate provide (5.1.2.) that "... Senate Committees ... shall have the power to fill committee vacancies for the remainder of an academic year, subject to Senate approval at its next regular meeting"; and

WHEREAS, There is a vacancy on the General Education Subcommittee; and

WHEREAS, The General Education Subcommittee has voted unanimously to appoint Clinical Director and Clinical Assistant Professor Michelle Fritz of the Radiography Program in the College of Health and Human Services as a replacement member for the remainder of the 2014-15 academic year;

BE IT RESOLVED, That the General Education Subcommittee requests the Executive Committee to forward this appointment to the Senate for approval.

Approving

S. Amidon
S. Anderson
C. Drummond (ex-officio)
A. Downs, Chair
A. Livschiz
P. Ng
L. Wright-Bower

Note: Questions concerning this document should be addressed to Andrew Downs at 481-6691 or downsa@ipfw.edu.

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Cigdem Z. Gurgur, Chair
Educational Policy Committee

DATE: November 21, 2014

SUBJ: Change in Regulation, Effective Fall 2015, Academic Probation, Dismissal and Readmission

WHEREAS, Purdue University Senate approved the revision to academic standing regulation in spring 2014 for all campuses after receiving feedback from campus forums and regional campus representatives; and

WHEREAS, IPFW was upfront involved in the design of new scholastic policy designed to raise the minimum performance levels; and

WHEREAS, The revised scholastic policy takes into consideration the part-time student levels at regional campuses to ensure they are not adversely affected; and

WHEREAS; The revised scholastic policy simplifies the GPA requirement to a 2.0 semester and cumulative replacing the graduating scale;

BE IT RESOLVED, That Fort-Wayne Senate endorses the change in regulation, effective fall 2015, for academic probation, dismissal and readmission, in which we provided the needed input on what would work for the good of our students.

Approving
Noor Borbieva
Benjamin Dattilo
Peter Dragnev
Cigdem Gurgur
Jane Leatherman
Ann Livschiz
Steven Sarratore

Disapproving

Abstain/Did Not Vote

Non-Voting
Patrick McLaughlin

Probation, Dismissal and Readmission – (Proposed Changes effective Fall 2015 for all students)

9.4.1: Academic Probation. A student shall be placed on academic probation if his/her fall or spring semester or cumulative GPA at the end of any fall or spring semester is less than a 2.0. A student on academic probation shall be removed from that standing at the end of the first subsequent fall or spring semester in which he/she achieves semester and cumulative GPAs equal to or greater than 2.0.

IF: Semester GPA or Cumulative GPA is < 2.0 = ACADEMIC PROBATION

IF: On academic probation and Cumulative GPA is < 2.0 but Semester GPA is \geq 2.0 = CONTINUED PROBATION

IF: On academic probation and Semester GPA is < 2.0 but Cumulative GPA is \geq 2.0 = CONTINUED PROBATION

Any grade change due to a reporting error will result in a recalculation of the GPA and determination of probation standing.

Academic standing will not be assessed in summer sessions.

A student who wishes to appeal an academic probation standing should contact the academic department of their major for guidance in the appeal process.

A student shall be placed on probation and so notified by the Registrar whenever that student's semester or cumulative GPA at the end of any regular semester is less than a the minimum standards specified in the following table, and an appropriate notation on the student's academic record shall be made:

GPA Levels for Probation

Class Standing	Semester GPA	Cumulative GPA
A1,B1,ND,NH Freshman	1.50	1.50
A2,B2 Sophomore	1.60	1.70
A3,B3 Junior	1.70	1.90
B4 Senior	1.70	2.00

~~A student is removed from probation upon achieving the minimum semester and cumulative GPA in the above table. Any grade change will require recalculation of probation status.~~

9.4.2: Academic Dismissal. A student on academic probation shall be dismissed at the close of any fall or spring semester in which his/her semester and cumulative GPA is less than a 2.0.

IF: On academic probation and both the Semester GPA and Cumulative GPA are < 2.0 = ACADEMIC DISMISSAL

Any grade change due to a reporting error will result in a recalculation of the index and determination of the dismissal status.

A student who wishes to appeal an academic dismissal standing should contact the academic department of their major for guidance in the appeal process.

A student who is on probation shall be notified of dismissal by the Registrar if the student, at the end of any regular semester, receives failing grades in six or more credit hours for that semester or does not meet the minimum cumulative GPA requirements in the following table:

GPA Levels for Dismissal

Class Standing	Cumulative GPA
A1,B1,ND,NH Freshman	1.30
A2,B2 Sophomore	1.50
A3,B3 Junior	1.70
B4 Senior	1.90

~~An appropriate notation shall be made on the student's academic record unless the student completes a degree that semester. Any grade change will require recalculation of dismissal status.~~

9.4.3: Readmission. ~~A student who was dismissed with fewer than 12 credit hours attempted since the student's admission or readmission shall be readmitted upon request, and the student shall not be subject to normal procedures and fees related to the readmission. Any other~~ **A student who has been dismissed from IPFW or from another campus of Indiana University or Purdue University may not enroll at IPFW until one fall or spring semester has passed. Thereafter, the student may be readmitted according to procedures specified by a school or division. All readmissions are into probationary status and are subject to stipulations in effect as a condition of readmission.** Readmissions shall be reported to the Registrar, and an appropriate entry shall be made on the student's academic record. **A student who is academically dismissed for a second time is not eligible to enroll for at least one year.**

A student dismissed by this policy must apply to the appropriate office or readmission committee. A fee is assessed for processing the readmission application. Readmission is not guaranteed.

TO: The University Senate Educational Policy Committee
FROM: Educational Policy Committee
SUBJECT: Revision to University Regulations of Academic Standing Regulation
DISPOSITION: University Senate for Discussion
CAMPUSES: All campuses

RATIONALE:

- http://www.purdue.edu/studentregulations/regulations_procedures/scholdeficiency.html
- After receiving feedback from campus forums and regional campus representatives the policy is designed to raise the minimum performance levels for all Purdue students. The revised policy takes into consideration the large part-time student levels at our regional campuses to ensure they are not adversely affected.
- The policy simplifies the GPA requirement to a 2.0 semester and cumulative replacing the graduating scale.
- The policy is the same in that a student on probation one semester with the next semester and cumulative GPA below the required level will be dropped.
- The policy also removed the six credits of failing grades for a drop.
- Policy, if approved in AY 13-14, is recommended for all students effective Fall 2015.
- The policy revision will include non-degree and dual credit.

- **IF: Semester GPA or Cumulative GPA is < 2.0 = PROBATION**
- **IF: On probation and both, Semester GPA and Cumulative GPA are < 2.0 = DROP**
- **IF: On probation and Cumulative GPA is < 2.0 but Semester GPA is \geq 2.0 = PROBATION**
- **IF: On probation and Semester GPA is < 2.0 but Cumulative GPA is \geq 2.0 = PROBATION**

Academic Probation and Deficiency

A. Academic Probation

A student at Purdue University shall be placed on academic probation if his/her fall or spring semester or cumulative GPA at the end of any fall or spring semester is less than a 2.0.

A student on academic probation shall be removed from that standing at the end of the first subsequent fall or spring semester in which he/she achieves semester and cumulative GPAs equal to or greater than 2.0.

Any grade change due to a reporting error will result in a recalculation of the GPA and determination of probation standing.

Academic standing will not be assessed in summer sessions.

B. Dropping of Students for Academic Deficiency

A student on academic probation shall be dropped from the University at the close of any fall or spring semester in which his/her semester and cumulative GPA is less than a 2.0.

Any grade change due to a reporting error will result in a recalculation of the index and determination of drop status.

C. Readmission

A student who is academically dropped from the University for the first time is not eligible to enroll for at least one fall or spring semester. A student who is academically dropped for the second time is not eligible to enroll for at least one year.

A student dropped by this rule must apply to the appropriate office or readmission committee for the Purdue campus of choice. A fee is assessed for processing the readmission application (Board of Trustees Minutes, June 5-6, 1970). Readmission is not guaranteed, but any student who gains readmission is readmitted on probation and is subject to stipulations in effect as a condition of readmission. (For more detailed information about readmission, visit the following Web site: <http://www.purdue.edu/readmission>)

Yea

Nay

Abstain/Did Not Vote

D. Ragland,
G. Weaver,
P. Kain,
A. Rynearson,
F. Dooley,
D. Pick (PUC),
H. Kirkwood,
J. Niser (IPFW),
J. Leising,
J. Greenan,
C. Hrycyna,
W. Walton

S. Richards,
K. Alter,
M. Cox,
J. Dennis
C. Miller,

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Cigdem Z. Gurgur, Chair
Educational Policy Committee

DATE: November 3, 2014

SUBJ: Proposal to Change Academic Regulation 1.3 – Undergraduate Student Classification

WHEREAS, The current undergraduate student classification at IPFW is based on credits completed toward degree; and

WHEREAS, The current regulation causes complications in financial aid intended for the students;

BE IT RESOLVED, That Fort-Wayne Senate adopts the change in academic regulation 1.3 to automate classifications in the IPFW student system based on earned credit hours which will clear the issues arising in financial aid standing and provide accurate classifications for financial aid eligibility.

Approving	Disapproving	Abstain/Did Not Vote	Non-Voting
Noor Borbieva			Patrick McLaughlin
Benjamin Dattilo			
Peter Dragnev			
Cigdem Gurgur			
Jane Leatherman			
Ann Livschiz			
Steven Sarratore			

Proposal to change Academic Regulation 1.3 – Student Classification - **Proposed change**

1.3 Student classification: a system for classifying students regularly admitted to IPFW:

<u>Undergraduate Student Classification</u>	<u>Earned Credit Hours</u>	<u>Credits Completed toward Degree</u>
1 (freshman) Freshman	Fewer than 30	
2 (sophomore) Sophomore	30-59	
3 (junior) Junior	60-89	
4 (senior) Senior	90 or more	

The Registrar may establish additional classifications to serve IPFW's record-keeping needs. The Registrar will report classification codes to Indiana University and Purdue University in a manner consistent with their respective codes.

~~A student's classification is determined by the academic advisor, and should reflect the student's progress toward completing the curriculum in which the student is enrolled. In making this determination for a future academic session, the academic advisor should include courses and credits the student expects to complete by the time that session begins.~~

MEMORANDUM

TO: Fort Wayne Senate Executive Committee

FROM: Cigdem Z. Gurgur, Chair
Educational Policy Committee

DATE: November 21, 2014

SUBJ: Proposal to changes in Minor Designation at IPFW

WHEREAS, The current Minor certification needs to be streamlined via use of a consistent electronic form across IPFW campus; and

WHEREAS, Use of Form 42 brings the aforementioned uniformity; and

WHEREAS, The academic unit offering the minor would authorize the student's major advising unit to add the minor by submitting the Form 42 for the student;

BE IT RESOLVED, That Fort-Wayne Senate adopts the changes in Minor designation to reflect how certification of the minor is connected to the student's current degree program and how the transcript entry would signal completion of the minor as the student is approved for graduation.

Approving
Noor Borbieva
Benjamin Dattilo
Peter Dragnev
Cigdem Gurgur
Jane Leatherman
Ann Livschiz
Steven Sarratore

Disapproving

Abstain/Did Not Vote

Non-Voting
Patrick McLaughlin

Minors – Proposed changes

11.0: Minors

11.1: Establishment. A minor-subject program may be established by any academic unit at IPFW subject to approval by the **college/school/division** containing the unit, to approval by the Curriculum Review Subcommittee, to acceptance by the Vice Chancellor for Academic Affairs, and to publication of requirements for completion of the program in the Bulletin or its supplement. Completion of any minor must require a minimum of 12 credits, including at least six resident credits at the 200-level or above.

11.2: Certification. A student may earn a minor by **requesting acceptance into the minor from the academic unit offering the minor. If accepted, the unit offering the minor will submit the appropriate electronic Form 42 to the Office of the Registrar to add the minor to the student's current degree program.**

An academic unit may authorize a student's major advising unit to add the minor by submitting the Form 42 for the student. This authorization would be stated in the offering unit's minor requirements listed in the Bulletin. ~~providing the degree-granting unit verification of acceptance into the minor program and a statement of the minor program requirements and by successfully completing these requirements.~~

At the same time as degree certification is processed, the degree-granting unit shall certify the student's completion of all **minor** requirements. Certification shall be based on **completion** ~~student's choice of any set~~ of **the** minor program requirements in effect **for the bulletin of the student's current degree program.** ~~since the student's most recent admission to or re-entry into IPFW.~~

11.3: Transcript entry. Concurrent with completion of degree requirements, the Registrar shall make an appropriate entry on the student's transcript to signal completion of the minor. No entry shall be made on the transcript if the minor is not completed by the time the student is certified for graduation.

Question Time

A New Overtime Policy for nonexempt (paid biweekly) staff is scheduled to take effect in January 2015. It states that "nonexempt (paid biweekly) staff will be paid overtime for all hours worked in excess of 40 hours in any single work week. Paid and unpaid leave days (i.e., vacation, jury duty, sick leave, bereavement leave, etc.), with the exception of the University-recognized holidays, will not be counted to determine eligibility for overtime pay." (This information was presented at the CSSAC meeting in October.)

It seems to mean that if a nonexempt staff person takes Monday off as a sick day or personal day, and then is called in to clear snow (or do whatever other emergency overtime work) on a Saturday, that person's Saturday work will not be considered overtime (unless that person is there for more than 8 hours) and therefore not compensated accordingly.

Is this an accurate understanding of the policy?

Given the fact that overtime is relatively rare, and mostly seems to take place in the winter, when staff people are asked to come in at 3 or 4am on weekdays or on Saturdays and Sundays, and last winter, there were periods of time when staff people had to come in on both Saturdays and Sundays because of the heavy snow, what is the purpose of this policy, and how is it fair to the people who make it possible for us to keep the university open and hold weekend events, etc.?

Ann Livschiz
Department of History

Question Time

What is the status and progress of the implementation of differential tuition at IPFW?

Executive Committee

TO: The Senate

From: Talia Bugel, Chair
Curriculum Review Subcommittee

Date: April 7, 2014

Subj: Bachelor of Science in Biology: Concentration in
Microbiology and Immunology.

The Curriculum Review Subcommittee met on March 19, 2014 to review the attached proposal for a Microbiology and Immunology Concentration for the Bachelor of Science in Biology.

The committee is deeply concerned about the lack of assessment by the proponents of library material and human resources this concentration will need. This lack of serious consideration of actual needs does not allow for the library to plan accordingly, which in the long term impacts the collections and the work of librarians and library staff and thus the library's ability to support the research endeavors of faculty and students at IPFW.

Other than that, the committee finds that the proposed concentrations require no Senate review.

Approving

Non-approving

Absent/Non-voting

Talia Bugel
Craig Hill
Rebecca Jensen
Myeong Hwan Kim
Susan Skekloff

Ron Duchovic

Nancy Jackson Sabbatical
Steve Sarratore (*ex-officio*)

Date: January 27, 2014

To: Steve Sarratore
Associate Vice Chancellor for Academic Programs

From: Carl N. Drummond, Dean

Subj: New COAS-Approved Biology Concentration:
Concentration in Microbiology and Immunology

The Curriculum Committee of the College of Arts and Sciences has reviewed and approved a new Concentration in Biology at their meeting today. Attached you will find documentation (hard copies and email copies being sent).

This new Concentration is being sent to you for the initiation of the remaining steps beyond the college level.

CND/kb

cc: COAS Curriculum Committee
Frank Paladino, Chair, Department of Biology

Pre-Proposal for a Concentration in Microbiology and Immunology Indiana University-Purdue University, Fort Wayne

Tanya Soule, Ph.D., Department of Biology

Shree Dhawale, Ph.D., Department of Biology

Elliott Blumenthal, Ph.D., Department of Biology

1. Name of Proposed New Program:

Bachelor of Science in Biology with a concentration in Microbiology and Immunology

2. Title of Degree to be Conferred:

Bachelor of Science

3. Field of Study, Department, and School Involved:

Microbiology and Immunology, Department of Biology, COAS

4. Proposed Date of Initiation of the New Program:

Fall 2014

5. Rationale and Objectives:

Microbiology and immunology are broad areas of study with sub-disciplines in medicine, molecular biology, and environmental science. This program serves those students who plan to further their education in a professional program such as medical school or medical technology as well as those pursuing a graduate program in basic or applied research. Furthermore, this program will equip our students with the wet lab experience and knowledge that is crucial to many of the jobs in industry and public health.

Relationship of the proposed program to the mission and scope of the campus:

- Department Mission: The study of biology is expected to help students “prepare for careers in research, teaching, industry, government, medicine, medical technology, and several other health-related fields”. This concentration will provide students with the conceptual knowledge and wet-lab skills to enter one of the many career paths in biology where a background in microbiology and/or immunology is essential.
- College Mission: As part of the College of Arts and Sciences, we must “equip students to think critically, communicate effectively, and develop creative solutions to future challenges”. A concentration in microbiology and immunology will inherently challenge students to develop creative solutions for future problems. Examples include problems associated with antibiotic resistance, disease transmission, or vaccine development.
- IPFW Mission: IPFW strives to offer a “broad range of high-quality undergraduate, graduate, and continuing education programs”. By concentrating on a specific area in their program, such as microbiology and immunology, the quality of our graduates will

be enhanced, making IPFW and our students attractive to the community, future employers, and professional schools.

Relationship of the proposed program to already existing programs at the campus:

- Students currently interested in pursuing a specialization in microbiology and immunology in order to make themselves more attractive to professional schools and future employers must simply pick and choose those courses which seem to fit within their interest. This individual approach leaves room for students to miss out on opportunities to maximize their education and will not result in a degree that reflects their decision to specialize in this concentration.

Relationship of this program to similar programs in other regional and Indiana post-secondary educational institutions:

- Biology students at Purdue University, for example, can choose from either a general degree in Biology or up to eight areas of specialization. These areas are diverse and include options in Biochemistry, Biology Teaching, Cell, Molecular, and Developmental Biology, Ecology, Evolution, and Environmental Biology, Genetics, Health and Disease, Microbiology, and Neurobiology and Physiology. Furthermore, the Biology Department at Indiana University offers BS degrees in either Biology or Microbiology.

Cooperative endeavors explored and/or intended with other institutions particularly those located in the same geographic region:

- This concentration is very conducive to initiating cooperative interactions with other institutions within our geographical area. It will help train students in laboratory techniques that can be used by students as they help with research in the IU Medical School laboratories, and we will invite the Medical School Faculty to collaborate on research projects with the Biology Department. We already have interactions with Parkview Hospital's Medical Technology program, and many of our students enter the MT program at Parkview. These students are required to take microbiology and immunology prior to admission to the MT program. Within the Fort Wayne community we have initiated and will continue to contact local businesses and offer our expertise. We have already interacted with local companies on both microbiological and immunological research that has helped them to grow, and we have been able to utilize their expertise as well.

Need for the concentration in terms of manpower supply and demand:

- According to www.hoosierdata.in.gov the statewide demand in the next five years for employment in the life, physical, and social science occupations is expected to increase by 16.2%. More specifically, for those students specializing in microbiology and immunology, jobs in microbiology should increase by 6.8%, food science by 19.0%, epidemiologists by 4.0%, and medical scientists by 28.8%. More broadly, the demand for biological technicians should increase by 12.4%

6. Course Requirements (Total 107 credits without free electives):

For the core curriculum, this concentration will require 93 credits composed of the core biology, math, statistic, chemistry, physics, and general education courses that are currently required for all biology majors. This also includes CHM 533: Biochemistry 1, as biochemistry integrates with many of the other required and elective courses in the concentration and students should have a firm understanding of biochemical principles.

For the concentration, 16 credits will be required. For eight of these credits, students will be required to take BIOL 437: General Microbiology and BIOL 537/565: Immunobiology, both of which have a lab component. The other eight credit hours will be chosen by the student from the list of approved electives; labs are not required, but may be taken, for these elective courses. Courses were chosen for their relationship to either immunobiology (i.e. BIOL 215) or to the three major areas of microbiology, which were identified as medical (i.e. BIOL 533), molecular (i.e. BIOL 509/584), and ecological (i.e. BIOL 524).

For the general education requirements, please refer to the following abbreviations:

A1: Foundational Intellectual Skills: Written Communication

A2: Foundational Intellectual Skills: Speaking and Listening

A3: Foundational Intellectual Skills: Quantitative Reasoning

B4: Ways of Knowing: Scientific

B5: Ways of Knowing: Social and Behavioral

B6: Ways of Knowing: Humanistic and Artistic

B7: Ways of Knowing: Interdisciplinary or Creative

C8: Capstone

Core Biology (22 credits: Required):

BIOL 117/119/217/218/219/491 (BIOL 491 also fulfills C8)

Core Math and Statistics (12 credits: Required):

MA 153/229(165) (these also fulfill A3), for an optional full year of calculus (MA 229 and 230)

STAT 240/340

Core Chemistry and Physics (27 credits: Required):

CHM 533: Introductory Biochemistry I is a requirement for this concentration

CHM 115/116/255/254/256/258/533 (CHM 115 also fulfills B4)

PHYS 220/221 (PHYS 220 also fulfills B4)

General Education (32 credits: Required):

A1. ENG W131 and W233

A2. COM 114

A3. MA 153 and MA 229

B4. CHM 115 and PHYS 220

B5. Choose at least one

B6. Choose at least one

B7. Foreign Language 111/112 level

C8. BIOL 491

COAS W233 (also fulfills A1)

Foreign Language 111/112 level (also fulfills B7)

Additional 9 credits from Category A or B

Microbiology and Immunology Concentration (8 credits: Required)

Shown as (semester/credits)

The following 2 lab courses are required; A/B structure will not be maintained

BIOL 437: General Microbiology (F/4)

BIOL 537 and 565: Immunobiology with Lab (S/4)

Microbiology Immunology Concentration (8 credits: Electives; choose from any of the following)

Shown as (semester/credits)

BIOL 533: Medical Microbiology (F/3)

BIOL 544: Virology (S/3)

BIOL 595: Emerging Infectious Diseases (F/3)- course number not yet assigned

BIOL 595: Insect-Vectorborne Diseases (F/3)- course number not yet assigned

BIOL 595: Protein Structure and Function (S/3)- course number not yet assigned

BIOL 520: Contemporary Parasitology (F/3)

BIOL 215: Basic Human Anatomy (F/3)

BIOL 516: Molecular Biology of Cancer (F/3)

BIOL 381: Cell Biology (F/3)

BIOL 506: Human Molecular Genetics (F/3)

BIOL 509/584: Molecular Biology and Applications with Lab (F/4)

BIOL 515: Molecular Genetics (frequency is unknown/3)

BIOL 540: Biotechnology (frequency is unknown/3)

BIOL 524: Bacterial Diversity and Systematics (S/3)

BIOL 543: Population Ecology with Lab (S/4) BIOL

580: Evolution (F/3)

Microbiology Immunology Free Electives (n/a: Recommended Non-Biology Free Elective)

CHM 534: Introductory Biochemistry (S/3)

CHM 535: Introductory Biochemistry Lab (S/1)

7. 4-Year Plan:

** denotes a course with a lab component*

Year 1: Fall	17
BIOL 117*	4
CHM 115*	4
ENG W131	3
MA 229	3
COM 114	3
Year 1: Spring	14
BIOL 119*	4
CHM 116*	4
ENG W233	3
GenEd B5 or B6	3

Year 2: Fall	15
BIOL 217*	3
CHM 255/254*	4
Foreign Lang I	4
BIOL 437*	4
Year 2: Spring	15
BIOL 218*	4
CHM 256/258*	4
Foreign Lang II	4
STAT 240	3
Year 3: Fall	16/17
PHYS 220*	4
BIOL 219*	3
STAT 340	3
BIOL Elective 215/381/516/509/584*/533/580/595/506	3/4
GenEd B5 or B6	3
Year 3: Spring	14
PHYS 221*	4
BIOL 537/565*	4
GenEd A or B to complete learning outcomes	3
BIOL elective 524/540/543*/544/595	3
Year 4: Fall	15/16
GenEd A or B to complete learning outcomes	3
GenEd A or B to complete learning outcomes	3
BIOL Elective 215/381/516/509/584*/533/580/595/520/506	3/4
CHM 533	3
Free elective	3
Year 4: Spring	12
BIOL 491	3
BIOL elective 524/540/543*/544/595 or CHM 534/535*	3
Free elective	3
Free elective	3

8. Additional Resources:

The department currently has the resources to support this proposed concentration.

When developing a new degree program, certificate, minor, or concentration, please review the questions below when developing your response to the library or additional resources sections. Please consult your liaison librarian for assistance.

Library Resources

Address the following issues regarding the impact of the new program on the library's budget and personnel. Please respond to each item below indicating the library sources and services required to support the proposed program.

The Microbiology and Immunology Concentration is nested within the Biology B.S. It draws from elective courses that are routinely taught in the department but packages them in specific way to form the concentration. Hence, we anticipate no change in the use of library resources as a result of the concentration since there is no addition of courses to the current curriculum. We provide this as context for answers to the specific questions below.

- Which databases/indexing sources will be used by the courses in this program?
 - PubMed
 - Scopus
 - Biological Sciences Collection (ProQuest)
 - Google Scholar
 - Web of Science

- What are the journals that will be used by students completing library research in this program? Please list three to five titles. Is there an expectation that access to new journals will need to be purchased for students in this program?

American Society for Microbiology Journals from ASM Press. Examples include J Bacteriol, J Virol, Appl Env Microbiol. These are open-source 6 months after publication, it is anticipated that the frequency of requests for articles within the firsts 6 months should not increase.

Additional journal subscriptions are not necessary.

- Are there any specific reference sources (e.g. encyclopedias, handbooks, standards, etc.) required to support the new program?

No.

- Is there an expectation for additional books to be purchased? What about DVD or audio/visual materials? What is the estimated dollar amount needed yearly to support this program with new books and media materials?

No additional materials will be necessary beyond the allocation provided to the Department of Biology.

- Will the new program use the Library's Document Delivery Services? Costs for this service come out of the Library's budget. What types of materials would the program be requesting through DDS?

Document Delivery Service requests are not expected to increase as a result of the proposed concentration.

- Who is the liaison librarian for this program? The liaison librarian provides support through involvement in Blackboard-supported classes, one-on-one research consultations, in-class instructional sessions, and tailored course guides for research assignments. Which of these librarian services do you anticipate will be utilized in the new program?

David Dunham is the liaison for Biology and would serve the concentrations within the major.

At this time none of the specific services described are anticipated. While there may be some student research consulting, the demand should not increase beyond the current usage.

- Is there an accrediting body that will be overseeing this program? What are the statements of the accrediting body related to the library, e.g. holdings, personnel, services?

Accreditation of the Biology B.S. is part of the IPFW accreditation by the North Central Association of Colleges and Schools, Higher Learning Commission. In their "Criteria for Accreditation" (Number CRRT.B.10.010) it is stated in component 3.D.4 that:

The institution provides to students and instructors the infrastructure and resources necessary to support effective teaching and learning (technological infrastructure, scientific laboratories, **libraries**, performance spaces, clinical practice sites, museum collections, as appropriate to the institution's offerings).