

IU Richard M. Fairbanks School of Public Health

PUBLIC HEALTH

Whether your interests are in community health, disease prevention, data analysis, hospitals, or the quality of our environment, the work is here to be done. The Fairbanks School of Public Health connects students with opportunities to make a significant impact.

The Fairbanks School of Public Health is proud to be offering the following degrees on our IU Fort Wayne campus:

BS in Health Services Management

The Bachelor of Science in Health Services Management at the IU Richard M. Fairbanks School of Public Health prepares students for entry-level managerial and administrative positions in health care organizations, including medical and dental practices, nursing homes and other long-term care facilities, hospitals and health systems, insurance companies, and more.

Certificate in Community Health

The Undergraduate Certificate in Community Health provides students with the knowledge, skills and hands-on experience that prepares them to tackle real-world health problems.

Community Health Minor

Gain the knowledge, skill and hands-on experience to improve the health of communities.

Health Administration Minor

Learn the current thinking and research on the administration of the health care system.

Health Data Science Minor

Use cutting-edge technologies to gain insights in biomedical data.

Admission Standards and Procedures

Fort Wayne is the perfect place to start thinking about public health. Here you can learn to strengthen communities by assessing health problems, preventing disease and using big data to improve health on a local, national or global scale.

Admission Standards

Admission Requirements

Direct Admit Criteria:

- Once you have been admitted to IU Fort Wayne, you are eligible for direct admission to the IU Richard M. Fairbanks School of Public Health if you meet the following minimums:

- 2.8 high school GPA and 1,000 on the SAT (19 on the ACT)
 - OR
- 3.0 high school GPA without submission of SAT or ACT scores

Current IUFW Students:

- 2.5 previous term GPA
- 2.5 Cumulative GPA
- 12 hours completed at IUFW
- Completion of ENGL 13100 with a grade of "C" or better

For Intercampus Transfer Students:

- Must have earned a 2.5 undergraduate cumulative and previous semester GPA
- Must maintain at least a 2.5 semester and cumulative grade point average (GPA) to remain in good academic standing and graduate from this program

External Transfer Students:

If you are transferring to IU Fort Wayne from another university, please email Juli Hagler juhagler@iu.edu for more information.

Accreditation

The IU Richard M. Fairbanks School of Public Health is proud to be fully accredited by the Council on Education for Public Health (CEPH). Accreditation is the culmination of a rigorous multi-year process involving an extensive self-study and a site visit by an accreditation team. The school's official accreditation report can be sent upon request by contacting Amelia Hurt at amehurt@iu.edu.

Student Learning Outcomes

Fairbanks School of Public Health Student Learning Outcomes

Bachelor of Science in Health Services Management

The Bachelor of Science in Health Services Management at the IU Richards M. Fairbanks School of Public Health prepares students for entry-level managerial and administrative positions in health care organizations, including medical and dental practices, nursing homes and other long-term care facilities, hospitals and health systems, insurance companies, and more.

Competencies

After completing the Bachelor of Science in Health Services Management, students will be able to:

Domain One: Communication and Relationship Management

- Build and manage relationships with peers, faculty, alumni and healthcare professionals.
- Communicate information and ideas in a clear, concise, organized, and effective manner for the

intended audience in writing (i.e. reports, emails, and briefs) and through presentations.

3. Collaborate in diverse teams utilizing interpersonal skills, recognizing and demonstrating sensitivity to diverse points of view.

Domain Two: Professionalism:

4. Carry oneself in a professional manner that aligns with ethical, legal and professional standards.

Domain Three: Leadership

5. Develop leadership skills including: self-awareness, conflict management, resilience, adaptability, influence, initiative, and accountability.

Domain Four: Knowledge of the Healthcare System

6. Describe the structure and functioning of health delivery, public health, and health services organizations and the importance of a population health perspective.

Domain Five: The Business Skills and Knowledge

7. Apply quality, strategic planning, management, organizational behavior and human resource theories and tools to manage organizational resources, confront challenges and improve outcomes in health organizations.
8. Examine marketing principles and understand how they are utilized to increase growth of a health organization's market share.
9. Explain how data and health information technology are used to improve organizational performance and population health.
10. Utilize financial tools, principles and practices to analyze budgets and financial documents to determine the financial performance of health services organizations.

Academic Policies

Policies for Good Academic Standing, Dismissal and Reinstatement:

Good Academic Standing

A student whose semester and IU cumulative GPA (fall/spring/summer) is 2.5 or higher. Students must have an IU cumulative GPA of 2.5 or higher to graduate.

Academic Warning

A student whose semester GPA (fall/spring/summer) falls below 2.5, but whose IU cumulative GPA remains 2.5 or higher.

Academic Probation

A student whose IU cumulative GPA (fall/spring/summer) falls below 2.5 for the first time. Students on academic probation must follow strict conditions as established by

the Undergraduate Academic Progress Committee during this probation period.

Final Academic Probation

A student whose IU cumulative GPA (fall/spring/summer) falls below 2.5 for a second time.

Students on final academic probation must follow strict conditions as established by the Undergraduate Academic Progress Committee during this final probation period. The semesters in which a student is placed on academic probation may or may not be consecutive.

Dismissal

A student on whose IU cumulative GPA (fall/spring/summer) falls below a 2.5 for a third time will be subject to dismissal from Fairbanks School of Public Health at the discretion of the Undergraduate Academic Progress Review Committee. The semesters in which a student earns an IU cumulative GPA below 2.5 may or may not be consecutive.

Reinstatement

Students who have been dismissed from the Fairbanks School of Public Health for academic reasons may petition for readmission after their semester and IU cumulative GPAs have returned to good academic standing. In order to allow sufficient time for considering a petition for readmission, an eligible student should submit a petition before June 15th for the fall semester, October 15th for the spring semester, or March 15 for either summer session.

Policies for Dean's List, Grading Grade Replacement, Grade Appeal, Incomplete, Withdrawal, Forgiveness

Dean's List

Students who are enrolled in 12 or more hours of coursework are named to the Dean's List if they have earned a GPA of 3.5 or higher for the fall or spring terms. Courses must be taken for a letter grade; pass/fail credit hours are not counted in the Dean's List determination. The Dean's List is not computed for the summer sessions. Students with a grade of incomplete cannot be named to the Dean's List until the incomplete is removed.

Grade Replacement

Grade replacement is available only for courses taken at Indiana University. Students can use grade replacement for a maximum of 15 credit hours towards their first bachelor's degree. Students can request a grade replacement no more than twice for a single course, and each attempt counts toward your 15-credit limit.

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To use grade replacement, the repeated course grade should be the same as or higher than the student's previous attempt at the course. A student must receive a letter grade upon retake in order to change the previous grade. Any replaced grades will be excluded from the

student's GPA, and the credit hours from the original course will not be counted.

For grade replacement applied to courses taken between 1996 and summer 2021: the replaced grade remains on the student's academic record with an X placed next to the original grade. For grade replacement applied to courses taken during fall 2021 and beyond: the replaced grade will appear on your academic record as an X.

Replacement does not occur automatically. Students must notify their School of Public Health academic advisor that the course has been taken a second time and that they wish to use grade replacement for the course.

Grade Appeal

A student may appeal a course grade at the completion of the course to resolve a grade discrepancy or a grade dispute. Petitions for changes of grades from concluded courses older than five years will not be considered. The grade change petition form and additional information can be found [here](#).

Incomplete

A grade of incomplete (I) indicates that a 'substantial portion' of the work in a course has been satisfactorily completed by the student as of the end of the semester. The incomplete can be given to a student facing a hardship such that it would be unjust to hold the student to the established time limits for completing the work. Students should contact their instructor to determine if they are eligible for the incomplete. Poor performance is not grounds for an incomplete.

In some cases, the instructor may recommend or require a student to attend another term (or portion of a term) of the course to remove the incomplete. In this case, the student should not register for the course a second time. Instead, they should make arrangements with the instructor to remove the "I". Note that sitting in on a course to remove an "I" does not count as part of a full-time or part-time load for financial aid purposes or for loan deferments.

Once the student has completed the work the instructor will change the incomplete to the appropriate letter grade. A grade of incomplete must be removed within the time specified by the instructor of the course; if not, the grade automatically changes to an F one calendar year after the incomplete was given.

Withdrawal

Students must formally withdraw from courses in the timeframe allowed by the Registrar's office. Failure to withdraw properly will result in receiving grades of F in your courses. Students are responsible for all course fees, plus any applicable late fees, through the time of official withdrawal. This information including deadline dates can be found on the academic calendar on Student Central

Dropping classes during the automatic W period: After the 100% refund period, all drop requests require the approval of an academic advisor. Students will receive a W (withdrawn) on their transcript.

Dropping classes after the automatic W deadline: After the automatic W deadline students will need approval

from their academic advisor, instructor, and school's dean. Additional information may be required to consider a drop this late in the semester. These requests are considered only in extraordinary circumstances beyond the student's control. Students may contact their instructor for other options such as obtaining an "I" incomplete grade. No drop requests will be processed once final exams begin.

Forgiveness Policy

The Fairbanks School of Public Health follows the IU Indianapolis policies and processes for grade forgiveness. The Fresh Start Policy applies to former IU students pursuing a first undergraduate degree who have been away from the IU system and have not attended any other college or university, including any campus of IU, for the last five years. For further information, visit [Fresh Start at IU Indianapolis](#).

Policies for Student Rights and Responsibilities, Confidentiality, and Academic Integrity

Student Rights and Responsibilities

The School of Public Health fully supports the rights and responsibilities of students as defined in the IU and Purdue Fort Wayne Code of Student Rights, Responsibilities, and Conduct. The Student Code spells out the expectations for faculty and students, and it provides the framework for the School of Public Health's judicial process, which can be accessed at the School of Public Health website.

A student is entitled to rights in the pursuit of his or her education; freedom from discrimination and harassment; and freedom of association, expression, advocacy, and publication. A student also has the right to contribute to University governance, to receive accommodations for disabilities, and to access records and facilities. In accordance with federal law, student records are confidential and are available to other persons only under specific conditions as outlined in university regulations.

A student is responsible for upholding and following all applicable codes of conduct, including the [Indiana University and Purdue Fort Wayne Student Code](#) and course policies on classroom etiquette and disorderly conduct, and for obeying all applicable policies and procedures and all local, state, and federal laws. A student is responsible for facilitating the learning process, attending class regularly, completing class assignments and coming to class prepared. In addition, a student is responsible for planning his or her own academic program, planning class schedules, and for meeting the requirements for his or her degree or certificate programs. Faculty and academic advisors are available to assist students in meeting degree requirements. A student is responsible for maintaining and regularly monitoring his or her university accounts including e-mail and bursar accounts. A student is responsible for using university property and facilities in the pursuit of his or her education, while being mindful of the rights of others to do the same. A student is responsible for upholding and maintaining academic and professional honesty and integrity.

Confidentiality of Student Records

In accordance with Indiana University regulations, student records are confidential and are available to other persons

only under specific conditions as outlined in university regulations.

Academic Integrity

Academic integrity is a basic principle of intellectual life that holds students responsible for taking credit only for ideas and efforts that are their own. Academic dishonesty violates that principle and undermines the bonds of trust and cooperation among members of the university community, and it is not tolerated. Academic misconduct includes cheating, fabrication, plagiarism, interference, violation of course rules, and facilitating academic dishonesty. Students are responsible for knowing what behaviors and activities constitute these different forms of academic misconduct. Penalties and procedures that are applicable when academic misconduct or dishonesty occurs are described in the IUFW *Code of Student Rights, Responsibilities, and Conduct*. More information about the IU Richard M. Fairbanks School of Public Health policy and procedures is available in the Undergraduate Student Handbook on the Richard M. Fairbanks School of Public Health website in the [Student Portal](#).

Sex Offenders Screening Policy for Students/Applicants

Students and applicants should be aware that criminal convictions may result in ineligibility for participation in certain courses/activities within the School of Public Health. Questions regarding the School's policy on such matters should be addressed to the appropriate program director.

Policies Concerning Degree Requirements

Applicability of Degree, Certificate and Minor Requirements

Students may choose to complete either the specific degree, certificate, or minor requirements published in the appropriate bulletin at the time of admission to Fairbanks School of Public Health or those in the bulletin current at the time of graduation.

Application for Degree

All students must complete the [IUFW graduation application form](#) and return to Student Central by posted deadlines in order to have their degree awarded. This form should be completed by February 15 for May and August graduates and September 15 for December graduates.

Degree Completion

Students are expected to complete the requirements for their undergraduate degree within 10 years of admission to the School of Public Health. Students are allowed to continue beyond this time period only at the Program Director. If a student has not taken classes for two or more major semesters (fall/spring), he/she must satisfy program requirements of the School of Public Health in effect at the time of reactivation. Requests for deviation from requirements listed in the bulletin must be approved in writing by the Program Director, whose decision is final. If a student has been out of college for more than 3 years, any course older than 10 years will not count toward degree progression.

Course Substitution and Course Waiver

Requests for course substitutions and course waivers must be made to the academic advisor.

Degrees Awarded with Distinction

The IU Richard M. Fairbanks School of Public Health recognizes outstanding performance by awarding bachelor's with three levels of distinction to students who rank in the upper 10 percent of their IU Richard M. Fairbanks School of Public Health graduating class by major and have completed a minimum of 60 hours at Indiana University for a B.S. The levels of distinction are as follows: highest distinction, 3.90 and above; high distinction, 3.70 through 3.89; distinction, 3.50 through 3.69.

Double-Counting

Students should consult with their academic advisor regarding double count policies for their selected programs. School of Public Health students are prohibited from earning a certificate or minor in the same area of their major.

Grade Point Average Requirement

Hours/Residency Requirement for degree

The Fairbanks School of Public Health requires a minimum 30 of the 120 required credit hours earned for bachelor's degrees be credits earned at the institution itself, through arrangements with other accredited institutions, or through contractual relationships approved by the Commission. Any variation from the typical minima must be explained and justified.

Internship Credit

Each Fairbanks School of Public Health bachelor program provides an opportunity for students to complete an internship for academic credit. Students are encouraged to consult with their academic advisor for additional details.

Other Academic Programs

School of Public Health students may choose to pursue a **minor** or **certificate** from another school or department or within School of Public Health in an area other than their degree or major. Students interested in a minor should contact that department for additional information.

Pass/Fail Credit

Deadlines for exercising this option are published on the Student Central website ([Pass/Fail](#)) and are strictly enforced. Students interested in this option should contact their academic advisor for additional details.

Requirements for a Second Bachelor's Degree

Students must petition the School of Public Health for approval to work toward a second bachelor's degree. If permission is granted, students are required to take a minimum of 30 credit hours beyond the credits used for the first bachelor's degree and to satisfy all the requirements for the second degree. Generally, the School of Public Health encourages students to work toward a graduate certificate rather than a second bachelor's degree. The appeals process is coordinated through the admissions counselor and the FSPH Student Success and outreach coordinator.

School of Public Health

Bachelor of Science in Public Health

Bachelor of Science in Health Services Management

Bachelor of Science in Health Services Management

The Bachelor of Science in Health Services Management at the IU Richards M. Fairbanks School of Public Health prepares students for entry-level managerial and administrative positions in health care organizations, including medical and dental practices, nursing homes and other long-term care facilities, hospitals and health systems, insurance companies, and more.

First Year - Fall Semester

Subject	Course	Title	Cr Hrs	Min Grade
FWHS	H101	Introduction1 to Health Professions		
ENGL	13100	Reading, Writing, & Inquiry I Also meets: Core Communication - Writing General Education	3	C
PBHL	H120	Health Care Delivery in the US	3	
PBHL	P109	Introduction3 to Public Health Open Elective	2	
		Total Credits	15	

Cumulative Total	15
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First Year - Spring Semester

Subject	Course	Title	Cr Hrs	Min Grade
COM	11400	Fundamentals of Speech Also meets: Core Communication - Speaking & Listening General Education		
		Introduction3 to Biostatics - General Education Core: Analytical Reasoning: Analytical - PBHL- B300 or STAT 30100		
		General Education Core: Life and Physical Sciences	3	
PBHL	H101	Influencing the Public's Health	3	
		General Education Core Elective: Arts and Humanities	3	
		Total Credits	15	
		Cumulative Total	30	

Second Year - Fall Semester

Subject	Course	Title	Cr Hrs	Min Grade
ECON	20100	Introduction3 to Microeconomics		
		General Education Core: Cultural Understanding	3	

PBHL	H200	Health Care Accounting	3	
PBHL	H320	Health Systems Administration	3	
PBHL	H325	Health Information Technology Management and Policy	3	
	Total Credits		15	
	Cumulative Total		45	

Second Year - Spring Semester

Subject	Course	Title	Cr Hrs	Min Grade
PBHL	H245	Professionalism in the Healthcare Workplace	3	
PBHL	H352	Health Finance and Budgeting	3	
		General Education Core: Life and Physical Sciences	3	
		Open Elective	3	
		Open Elective	3	
	Total Credits		15	
	Cumulative Total		60	

Third Year - Fall Semester

Subject	Course	Title	Cr Hrs	Min Grade
PBHL	H354	Health Economics	3	
PBHL	H353	ADV Health Finance and Budgeting	3	
PBHL	H375	Management of Health Service Operations	3	
		Health Service Management Application Course: PBHL-H305,	3	

	PBHL-H310,		
	PBHL-H315,		
	PBHL-H330,		
	PBHL-H380,		
	PBHL-H411,		
	PBHL-H420, or		
	PBHL-H455		
	Open Elective	3	
Total Credits		15	
Cumulative Total		75	

Third Year - Spring Semester

Subject	Course	Title	Cr Hrs	Min Grade
PBHL	H346	Organizational Behavior and Human Resources for Healthcare	3	
PBHL	H345	Operations Management and Quality Improvement in Healthcare	3	
		Health Service Management Application Course	3	
	PBHL-H305,			
	PBHL-H310,			
	PBHL-H315,			
	PBHL-H330,			
	PBHL-H380,			
	PBHL-H411,			
	PBHL-H420, or			
	PBHL-H455			
	Open Elective	3		
	Open Elective	3		

Total Credits	15
Cumulative Total	90

Total Credits	18
Cumulative Total	108

Fourth Year - Fall Semester

Subject	Course	Title	Cr Hrs	Min Grade
PBHL	H379	Career Preparation in Health Services Management	3	
PBHL	H474	Health Administration Ethics Seminar	3	
		Health Service Management Application Course	3	
		PBHL-H305, PBHL-H310, PBHL-H315, PBHL-H330, PBHL-H380, PBHL-H411, PBHL-H420, or PBHL-H455		
		Health Service Management Application Course	3	
		PBHL-H305, PBHL-H310, PBHL-H315, PBHL-H330, PBHL-H380, PBHL-H411, PBHL-H420, or PBHL-H455		
		Open Elective	3	
		Open Elective	3	

Fourth Year - Spring Semester

Subject	Course	Title	Cr Hrs	Min Grade
PBHL	H401	Strategic Planning in Health Care Organizations	3	
PBHL	H432	Health Care Marketing	3	
PBHL	H475	Health Services Management Capstone	3	
		Health Service Management Application Course	3	
		PBHL-H305, PBHL-H310, PBHL-H315, PBHL-H330, PBHL-H380, PBHL-H411, PBHL-H420, or PBHL-H455		
		Total Credits	12	
		Cumulative Total	120	

Certificate in Community Health

Certificate in Community Health

Eligibility

1. To earn the certificate, students must complete a minimum of 18 credits in accordance with the specified curriculum, and a "C" or higher is required in each course.
2. Students who successfully complete the requirements for the certificate will have this credential added to their official transcript. A printed certificate resembling a diploma will be awarded upon graduation.
3. Public Health students majoring in Community Health are not eligible for the Community Health Certificate.

4. Current IUFW students should contact their advisor to declare this certificate.

Curriculum

The certificate in Community Health curriculum consists of nine 3-credit hour courses:

- PBHL S120 – Introduction to Community Health
- PBHL S315 – Community Organizing for Health Promotion
- PBHL S349 - Research Methods in Community Health
- PBHL S415 - Applied Health Promotion Methods
- PLUS - Pick any two of the following courses:
 - PBHL S305 - Careers in Public Health
 - PBHL S337 - Health Equity & Social Determinants of Health
 - PBHL S422 - Coaching for Health Behavior Change

Community Health Minor

Community Health Minor

Through the Minor in Community Health, students gain knowledge, skills and hands-on experience that prepares them to tackle these real-world problems. You must complete the required courses with a grade of "C" or better in all courses credited to the minor. Students should contact their advisor to declare this minor.

Students will take these four 3 credit courses:

- PBHL-S 120 Introduction to Community Health
- PBHL-P 109 Introduction to Public Health
- PBHL-S 337 Health Equity and Social Determinants of Health
- PBHL-S 415 Applied Health Promotion Methods

Students will take one of the following 3 credit courses:

- PBHL-S 422 Coaching for Health Behavior Change
- PBHL-S 315 Community Organizing for Health Promotion
- PBHL-S 220 Navigating the Maze of Healthy Living
- PBHL-S 349 Research Methods in Community Health

Health Administration Minor

Health Administration Minor

Through the Health Administration minor, students will learn the current thinking and research on the administration of the health care system. All minor courses must be completed with a "C" or higher. Students should contact their advisor to declare this minor.

Students will take these two 3-credit courses:

- PBHL H120 Health Care Delivery in the US
- PBHL H375 Management of Health Services Organizations

Choose three elective courses for 9 credits:

- PBHL H320 Health Systems Administration
- PBHL H411 Chronic and Long Term Care Administration

- PBHL H420 Health Policy
- PBHL H432 Health Care Marketing
- PBHL H441 Legal Aspects of Health Care Administration
- PBHL H330 Global Public Health
- PBHL H310 Lean in Healthcare
- PBHL H325 Health Information Technology, Management and Policy
- PBHL H346 Organizational Behavior and HR Management in Healthcare
- PBHL H345 Operations Management and Quality Improvement in Health Organizations
- PBHL H305 Medical Group Management
- PBHL H315 High Risk Health Behaviors and Harm Reduction
- PBHL H101 Influencing the Public's Health
- PBHL H455 Topics Course

Health Data Science Minor

Health Data Science Minor

The minor in health data science will introduce students to the language of data in health applications so they are able to transform, visualize, analyze, and interpret information in a modern data science pipeline, presenting fundamental concepts of biostatistics through the use of computing and simulation. All minor courses must be completed with a "C" or higher. Students should contact their advisor to declare this minor.

Students will take these four 3-credit courses:

- PBHL-B275 Probability without Tears and Calculus
- PBHL-B304 Biostatistics for Health Data Scientists: A computational Approach
- PBHL-B384 Classical Biostatistical Regression Methods
- PBHL-B420 Introduction to Biostatistical Learning
- PBHL-B352 Fundamentals of Data Management in R

Courses

Undergraduate

PBHL-B 275 PROBABILITY WITHOUT TEARS AND WITHOUT CALCULUS (3 cr.) This is a course teaching fundamental concepts in biostatistics through computer simulation. While this is a self-contained course, working knowledge of R or another computer language is desirable.

PBHL-B 280 BIOSTATISTICS FOR HEALTH DATA SCIENTISTIS A COMPUTATIONAL APPROACH_unpublished (3 cr.) This course introduces students to the fundamental concepts of biostatistics through computational methods. Topics such as exploratory analysis of health data, probability and probability distributions, and the basics of inference from both the frequentist and Bayesian perspective will be presented.

PBHL-B 285 CLASSICAL BIOSTATISTICAL REGRESSION METHODS (3 cr.) This is the first course in a two-semester sequence teaching fundamental concepts of classical regression methods in biostatistics, both linear (i.e., least squares) and non-linear (e.g.,

logistic, Poisson, etc.). While this is a self-contained course, working knowledge of the R statistical environment is desirable.

PBHL-B 300 INTRODUCTION TO BIOSTATISTICS (3 cr.) This is an introductory survey of statistical reasoning and analysis.

PBHL-B 385 CONTEMPORARY BIOSTATISTICAL REGRESSION METHODS (3 cr.) This is the second course in a two-semester sequence teaching fundamental concepts of contemporary regression methods in biostatistics, linear and non-linear. Advanced topics like shrinkage methods (principal components, ridge regression, Lasso, etc.), random effects and repeated measures, non-parametric regression (smoothing) and additive models will be presented. Pre-requisites are PBHL B-285 (Classical biostatistical regression methods) or permission of instructor. While this is a self-contained course, working knowledge of the R statistical environment is desirable.

PBHL-B 420 INTRODUCTION TO STATISTICAL LEARNING (3 cr.) This is a course teaching fundamental concepts of statistical learning, a broad set of methods which refers to making sense of complex data. Such methods include, but are not limited to, the sparse regression (e.g. LASSO), classification and regression trees (CART) and support vector machines. This course is intended for students starting out in this area who perhaps lack the mathematical training to absorb a very technical treatment of these topics. For this reason, this course focuses on the application with less focus on the mathematical details.

PBHL-B 481 INTRODUCTION TO BIOSTATISTICAL COMPUTING (3 cr.) This is a course teaching fundamental concepts of biostatistical computing, a broad set of skills required for data acquisition, processing and visualization. At the end of the course the student will be able to analyze and manage statistical data, use reproducible reporting functionality, write their own functions, apply string and document processing techniques, have an understanding of object oriented programming in R, use non-standard evaluation (NSE) techniques within the R language, and create reproducible software in package form for the R language.

PBHL-B 490 ADVANCED BIOSTATISTICAL COMPUTING (3 cr.) This is a second course in biostatistical computing covering advanced concepts including understanding the basics of statistical algorithms and creating data products. At the end of the course the student will understand object oriented systems available in the R programming language.

PBHL-E 330 EVIDENCE-BASED PUBLIC HEALTH (3 cr.) This course will introduce methods for generating, locating, assessing, adapting, and evaluating evidence for public health programs. In addition to establishing a framework for selecting evidence-based interventions, the course will include focus on principles of scientific writing necessary for public health professionals to convey messages to stakeholders.

PBHL-H 101 INFLUENCING THE PUBLIC'S HEALTH (3 cr.) This course exposes students to the role of policy in influencing the health of human populations in our work, civil society and our own lives. Students

from all disciplines will benefit from exploring empirical patterns and historical contexts that influence health policy decisions for our country's complex healthcare and public health systems.

PBHL-H 120 HEALTH CARE DELIVERY IN THE US (1-3 cr.) An overview of the health care delivery system in the US from the lens of health care managers, this course will introduce the history of US health care, management in the health care delivery context, the role of government and policy in health care delivery, and the interconnectedness of health care delivery and public health. Health care administration career pathways will also be explored.

PBHL-H 200 HEALTH CARE ACCOUNTING (3 cr.) Health Care Accounting will provide the students with a foundation in health care accounting from long-term to acute care. Topics will include balance sheet of financial position, income statement of revenues and expenses, journals, ledgers, trial balances and discrimination of formatting financial statements between acute care and long-term care organizations.

PBHL-H 245 PROFESSIONALISM IN THE HEALTHCARE WORKPLACE (3 cr.) This course provides an overview of healthcare organizational structures, professional self-presentation, business etiquette, and strategies for professional success in a healthcare workplace. An emphasis will be placed on each student's development and application of professional skills and behaviors required in healthcare administration and other sectors of the healthcare industry.

PBHL-H 303 TOPICS IN PUBLIC HEALTH (1-6 cr.) This course has a variable title and can be offered for variable credits. Similar to topics courses offered in other IUPUI programs, this course offers an introduction to a variety of public health topics and current issues will be covered in this course.

PBHL-H 305 MEDICAL GROUP MANAGEMENT (3 cr.) Medical Group Management is a survey course that will provide students with a foundation in understanding the fundamental skills needed to manage medical group practices. The course will mainly examine the management of physician practices, including primary care, and physician specialty service lines.

PBHL-H 310 LEAN METHODOLOGY IN HEALTHCARE ORGANIZATIONS (3 cr.) Using a combination of experiential (learn by doing) and lectures, students will be introduced to: the history of Lean and its rise in healthcare, identification and quantification of the value of waste removal in process oriented work systems, Lean thinking, facilitation, tools and leadership. Students will work independently and in small groups.

PBHL-H 315 HIGH RISK HEALTH BEHAVIOR AND HARM REDUCTION (3 cr.) In this course, we will look at high-risk health behaviors through a public health lens. The term "high-risk" can refer to both behaviors and groups. High-risk behaviors are activities people engage in that make them more vulnerable to contracting specific health problems, while high-risk groups are collections of individuals prone to engage in high-risk behaviors. The effects of high-risk health behaviors extend beyond the

individual who engage in them. This is a writing intensive course.

PBHL-H 320 HEALTH SYSTEMS ADMINISTRATION (3 cr.) This course will introduce healthcare management and the functional areas associated with the field. Additionally, the course will explore the organization and structure of public and private healthcare systems, and the issues involved in management of health services organizations. Healthcare management career pathways will also be explored.

PBHL-H 325 HEALTH INFORMATION TECHNOLOGY MANAGEMENT AND POLICY (3 cr.) This course will familiarize students with current issues associated with health information technology (IT) and their impact on the U.S. healthcare system. Health IT applications are playing an increasingly important role in assuring high quality care and have the potential to transform the nature of healthcare delivery. This course will review the evidence on the impact of Health IT from the perspectives of hospitals, physicians, patients, payers, and society.

PBHL-H 330 GLOBAL PUBLIC HEALTH (3 cr.) All public health is global in today's world. This 3 credit hour course will explore the key global public health issues that face countries throughout the world, ranging from malnutrition to the use of new technologies to improve health. The course will focus on the ways in which health policy of both developed and developing countries, impacts public health strategies, specific interventions, and outcomes.

PBHL-H 345 OPERATIONS MANAGEMENT AND QUALITY IMPROVEMENT IN HEALTHCARE (3 cr.) This course provides an overview of the healthcare operations management (OM), with emphasis on quality improvement. You will apply OM principles to develop more effective operational processes, mitigate risks, and improve quality. Discussions, case studies and assignments will focus on strategies and techniques of quality improvement processes, project management and others.

PBHL-H 346 ORGANIZATIONAL BEHAVIOR & HUMAN RESOURCES FOR HEALTHCARE (3 cr.) This course introduces disciplines of organizational behavior and human resources management (HRM) and their application to the management of healthcare organizations. The course examines how to effectively manage individuals, teams and systems in the dynamic legal, social, and economic healthcare environment.

PBHL-H 352 HEALTH FINANCE AND BUDGETING (3 cr.) P: BUS-A 200 or BUS-A 201 Health Finance and Budgeting is the study of the financial management of healthcare facilities based on generally accepted business practices. The topics will include: provider payment systems, healthcare financial statements, presentation and analysis, principles and practices in healthcare accounting, working capital management, budgeting and variance analysis.

PBHL-H 353 ADV HEALTH FINANCE & BUDGETING (3 cr.) P: PBHL-H 352 Advanced Health Finance and Budgeting builds on the elements learned in H352. The topics will include capital expenditure decisions, financing capital expenditures, defining cost information, time value analysis, and cost allocation strategies.

PBHL-H 354 HEALTH ECONOMICS (3 cr.) This course applies economics to the study of administrative and policy issues in the health care sector. Economic concepts are used to explain the system of health care financing and the organization of health care delivery in the U.S. The economic evaluation of health care programs is also discussed.

PBHL-H 375 MANAGEMENT OF HEALTH SERVICE ORGANIZATIONS (3 cr.) This course explores the discipline of management and its major components relating to health service organizations. This course will provide students with a foundation of basic fundamentals, principles and techniques of management which have particular relevance and application in healthcare. Students will learn about management theory and its practical application in healthcare in fundamental areas such as planning, organizing, leading, and controlling. Other key elements of management such as communication, decision making, delegation, participatory management, leadership style, managing staff, teamwork, and change and innovation will be explored. Successful completion of this course will help provide students with a general foundation of knowledge about management and its application in health service organizations. Instructional methods used will include lectures, interactive discussions, readings, in-class exercises and individual and group homework assignments using a wide range of management terms, concepts, fundamentals, theories, methods, techniques, and practices used in managing health service organizations. Special emphasis will be given to the role and application of leadership in the management of a diverse healthcare workforce, in a variety of health service settings. This course is designed to help create a foundation of knowledge and understanding of management that students will use in other courses in the public health undergraduate programs.

PBHL-H 379 CAREER PREPARATION IN HEALTH SERVICES MANAGEMENT (3 cr.) This course will emphasize career planning and professional development in health services management. Students will be led through the internship search process in preparation for their practical experience in health administration. Health care workplace culture will also be explored.

PBHL-H 380 HEALTH SERVICES MANAGEMENT INTERNSHIP (1-6 cr.) P: Permission of Instructor The Internship Course is designed to provide students with work experience that compliment their classroom preparation. The internship program is a self-directed program in which eligible students are responsible for identifying internship opportunities. Students are expected to identify potential opportunities and work with their faculty advisor to ensure these opportunities are appropriate to the student's knowledge and skills and suitable for the student's goals. It is offered from 1 to 6 credits with 80 hour increments of an internship experience equivalent to 1 credit hour.

PBHL-H 420 HEALTH POLICY (3 cr.) P: PBHL-H320 This course will provide the opportunity to examine and analyze the financing, organization and delivery of health care in the U.S. and how these core elements are shaped and influenced by health care policy and decision-making. Additionally, we will examine the landmark health care reform currently being implemented vis-a-vis the Patient

Protection and Affordable Care Act (PPACA) of 2010, also known as Obama Care.

PBHL-H 432 HEALTH POLICY (3 cr.) A practical study of marketing in health care institutions, health service organizations, and health insurers. A basic foundation in marketing principles, new methods in marketing products and services, and inexpensive marketing techniques will be examined.

PBHL-H 441 LEGAL ASPECTS OF HLTH CARE ADM (3 cr.) This course will familiarize students with, and introduce students to, the legal and regulatory terrain unique to health care facilities by providing an overview of the legal liabilities and obligations of health care providers as well as the potential legal recourses available.

PBHL-H 455 TOPICS IN PUBLIC HEALTH (1-3 cr.) Extensive discussion of selected topics in public health. The topic may change from semester to semester, based on resource availability and student demand. May be repeated for credit.

PBHL-H 474 HEALTH ADMINISTRATION ETHICS SEMINAR (3 cr.) P: PBHL-H320 and Senior Standing. This course will follow an interactive, theory-based approach to examine ethical decision-making challenges from health care provider, managerial, and public health perspectives. It will examine ethical dilemmas in the context of health services delivery to facilitate discussion about the broader implications of decisions made. Students must exhibit the ability to think critically about society and culture, social determinants that influence health outcomes, and the duties and responsibilities of health care actors at the individual, organizational, and societal levels to improve health care delivery as well as outcomes. Lastly, students are expected to demonstrate the ability to apply theories and principles to address complex ethical issues related to health care delivery and administration.

PBHL-H 475 HEALTH SERVICES MANAGEMENT CAPSTONE (3 cr.) P: PBHL-H379 and PBHL-H474 and Department Permission In this course students will gain professional experience through a capstone internship experience, reflect on and evaluate their personal and professional growth, and build on their internship experiences to prepare themselves for the transition to professional life in a health care setting.

PBHL-P 109 INTRODUCTION TO PUBLIC HEALTH (3 cr.) Introduction to public health using Indianapolis as case study. Well-being, illness, injury, education, violence, housing, work, cultural and neighborhood variability will be examined to demonstrate the public health perspective on any situation and to see how the state of health in our city connects to the nation and the world.

PBHL-P 450 STUDY ABROAD: LONDON (3 cr.) This course provides an in-depth introduction to a global model for health services delivery and provides students with the opportunity to compare and contrast systems in England and the United States. Participants will spend substantial time out in the field visiting London-area health facilities, historical sites, and universities.

PBHL-S 120 INTRODUCTION TO COMMUNITY HEALTH (3 cr.) This course offers students a basic

introduction to community health. The class will present health issues with a focus on a community, not individual perspective; as a result, students will learn about public health approaches to health assessment, health promotion and disease prevention.

PBHL-S 220 NAVIGATING THE MAZE OF HEALTHY LIVING (3 cr.) This course provides students with knowledge and understanding of factors influencing personal health, health behaviors, health promotion, and disease prevention. The course emphasizes lifestyles and personal decision making as a consumer of health and health care services.

PBHL-S 315 COMMUNITY ORGANIZING FOR HEALTH PROMOTION (3 cr.) Through this course, students will learn processes for community assessment, organizing, and advocacy. The course will address methods for strengthening communities to prevent and solve community health problems while building students' civic identity, leadership, and management skills.

PBHL-S 337 HEALTH EQUITY AND SOCIAL DETERMINANTS OF HEALTH (3 cr.) This course introduces students to an ecological perspective of health, going beyond biology and individual factors to investigate the influence on health of the social systems in which individuals live, work, learn, and play. Through the lens of social justice, students will examine how contemporary social issues influence populational differences in health (health disparities).

PBHL-S 349 RESEARCH METHODS IN COMMUNITY HEALTH (3 cr.) This course helps students develop an appreciation and understanding of the fundamental research methods used in community health and how to apply those methods to inform their work to improve the health of the community. The focus is on understanding how community - and personal - level data are collected and interpreted in scientifically valid ways. Students will become proficient consumers and users of published research and will be able to identify the strengths and limitations of the designs used, along with possible confounding factors and biases.

PBHL-S 415 APPLIED HEALTH PROMOTION METHODS (3 cr.) This course provides students with understanding, application, and practice of key methods in community health promotion including health communication, health education, health policy, and community mobilization strategies. Application of theory and implementation of methods at individual and community levels are addressed.

PBHL-S 422 COACHING FOR HEALTH BEHAVIOR CHANGE (3 cr.) This course is designed to teach students how to coach individuals and groups attempting to improve their health behaviors. Theory, evidence-based practices, and different types of communication and interviewing styles will be explored through hands-on activities.

PBHL-S 222 THIS STRESS IS KILLING ME: STRESS AND ITS EFFECTS ON YOU (3 cr.) This course will teach you all about stress and its effect on your body and mind. You will learn the biology of stress, factors that protect you from stress or make you more vulnerable to it and the experience of stress in various settings, such as work,

family and community. You will also learn how to manage stress

PBHL-S 240 PEER HEALTH EDUCATION AND LEADERSHIP (3 cr.) Peer Health Education and Leadership will consist of classroom and online components. Students will be engaged with in-classroom workshops facilitated by the Office of Health and Wellness Promotion Staff and campus partners, focused on content education and skills training. Students will also learn, discuss, and reflect with their peers in an online environment, building a foundational understanding of health and wellness topics and aspects of leadership development.

PBHL-S 250 SOCIAL AND BEHAVIORAL DIMENSIONS OF PUBLIC HEALTH (3 cr.) This course introduces students to the social and behavioral science principles that provide the foundation for how public health engages with people and communities to prevent disease and promote health. Students will explore topics that promote a broad understanding of determinants of health and the multiple factors contributing to health and illness.

PBHL-S 305 CAREERS IN PUBLIC HEALTH (3 cr.) This undergraduate course will expose students to a variety of public health careers. Students will hear from public health professionals who hold a variety of positions in epidemiology, environmental and occupational health, social and behavioral sciences, public health preparedness, biostatistics, maternal-child-family health, chronic and infectious disease prevention, and health policy and management.

PBHL-S 325 URBAN ANGST SUBURBAN BLUES: PUBLIC MENTAL HEALTH (3 cr.) This online course will examine how the mental health of communities is influenced by geopolitical influences, SES, neighborhood, safety, culture, environment, community and other elements external to the individual. Using textbooks, case study readings, and multimedia we will analyze causes of mental (dis)ease in the general public and develop a stronger understanding of how the outside world can impact the health of the mind.

PBHL-S 330 THEORETICAL FOUNDATIONS OF COMMUNITY HEALTH (3 cr.) This course will explore the theories of health behavior change that are used to develop health interventions for individuals and communities. Students will learn the different theories, how to put them into practice, and how useful and practical they are for various populations.

PBHL-S 340 CULTURAL CONSIDERATIONS IN THE PROMOTION OF HEALTH (3 cr.) In this course we will examine what is meant by culture, the ways in which culture intersects with health issues, and how public health efforts (domestic and global) can benefit by understanding and working with cultural processes.

PBHL-S 360 ASSESSMENT AND PLANNING FOR COMMUNITY HEALTH PROMOTION (3 cr.) This course applies theory-based concepts and methods of health promotion focusing on needs assessment and intervention planning for individual and community health programs.

PBHL-S 361 IMPLEMENTATION AND EVALUATION FOR COMMUNITY HEALTH PROMOTION (3 cr.) This course applies theory-based concepts and methods

of health promotion focusing on program funding, implementation, and evaluation for individual and community health programs.

PBHL-S 416 HEALTH PROMOTION APPLICATION (3 cr.) This course provides students with opportunities to apply and practice key methods in community health promotion. Emphasis is on utilizing simulations, workshops, and training programs to acquire professional skills and certifications to expand the resume and professional portfolio.

PBHL-S 460 BIOSOCIAL APPROACH TO GLOBAL HEALTH (3 cr.) The course will provide students with an opportunity to examine key global health issues using a biosocial justice perspective. Students will participate in authentic global health work as they will partner with MPH students from a university global partner to develop a strategic plan to address a global health issue. The course will require students to engage in analytical reading and discussions, and produce and deliver impactful written and oral communications.

PBHL-S 469 PRACTICUM IN COMMUNITY HEALTH (3 cr.) The course integrates academic elements and on-site work objectives in a 180-hour experience in an approved community health setting. The practicum provides students with observation and experience in a minimum of three of the responsibility areas outlined in the national Responsibilities and Competencies for Entry-Level Health Education/Promotion Specialists (NCHEC).

PBHL-S 499 CAPSTONE EXPERIENCE BSPH COMMUNITY HEALTH (3 cr.) This course integrates public health theory and practice in an applied practice setting. The capstone experience is tailored to students' expected post-baccalaureate goals. A variety of public health experiences are available, including an internship, a service-learning project, a portfolio project, a research paper, and an honors thesis.

PBHL-S 479 INTERNSHIP IN COMMUNITY HEALTH (6 cr.) The course integrates academic elements and on-site work objectives in a 360-hour experience in an approved community health setting. The internship provides students with observation and experience in a minimum of four of the responsibility areas outlined in the national Responsibilities and Competencies for Entry-Level Health Education/Promotion Specialists (NCHEC).