Class of 2025
Fall 2021
Course Registration & Information Packet
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Dear College of Health Class of 2025,

I am delighted to welcome you to the College of Health at Lehigh University. Congratulations on your acceptance into the College!

Do you want to help prevent the next pandemic, or improve health outcomes domestically and globally, or in come up with entrepreneurial ideas for preventing and treating chronic disease? All of these are possibilities for your future now that you’ve chosen the College of Health. For those of you interested in careers in medicine, dentistry, or veterinary medicine, completing a degree in the College of Health will give you a unique perspective and a strong skill set that will set you apart from other applicants to these professional programs.

You were accepted into the College of Health because we are inspired by your desire to make a difference in the world’s health, and impressed by your qualifications. We are confident that you will excel in either of our two majors—the B.S. in Population Health, in which you will learn about the multiple determinants of health, data analytics, and epidemiology, or our new B.A. in Community and Global Health, in which you will learn about the multiple determinants of health, and how to design, implement, and evaluate health interventions for communities in the U.S. and abroad. We are also excited to announce new minor programs in Indigenous Peoples’ Health and in Maternal and Child Health.

You will be the second class of students to graduate from the College of Health, and the first to have access to the beautiful new Health, Science, and Technology building—the largest and most modern research facility that Lehigh has ever built.

Please join us in June for “Introduction to the College of Health,” a zero-credit, tuition-free course offered via Zoom. In this four-week course, you’ll hear about the different classes in COH, meet some of our faculty, explore the careers you can consider with either of our degrees, and learn about how to register for classes. To register for this class, contact Professor Gomez at edg219@lehigh.edu

We hope to see you on Zoom this summer, and REALLY look forward to meeting you in person in the Fall.

Welcome!

Warmly,
The College of Health Team

The faculty, staff and leadership of the College of Health are a support system for students throughout their time at Lehigh. For a list of personnel and their contact information, click on the links below.

- College Leadership
- Staff
- Faculty

Advising and Support

Advising Structure
All first-year students will be advised by a faculty or staff member who will guide students on building their first semester schedule and answering curriculum related questions. In August, students are assigned an adviser who will serve as a resource to the student throughout their undergraduate career at Lehigh. Once students select a major (and concentration in the BS), they may be assigned a faculty mentor whose purpose is to provide direction and input on experiential learning opportunities in relation to the area of concentration, career guidance and post graduate education advice. For support, you can reach out by email at incoh@lehigh.edu.

Timeline
Throughout the summer, students will receive a series of correspondences from various campus departments aimed to help them prepare for their first semester at Lehigh. It is important to check your Lehigh email address weekly for these communications. During the month of June, the COH offers a free, no-credit class “Welcome to the College of Health“ that is designed to introduce students to the college. One of these sessions will be dedicated to course planning and registration. To register for this class, contact Professor Gomez at edg219@lehigh.edu. In July, students should meet with a COH advisor to help plan their fall semester courses.

<table>
<thead>
<tr>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
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</table>
| • Check your Lehigh email weekly for important information  
• Participate in POPH 097 summer course | • Meet with a COH representative to plan your fall course schedule  
• Register for fall semester classes | • Arrive to Lehigh!  
• Meet with an advisor in person |

Health Professions Advising
The College of Health is a great choice if you are a pre-health student. Lehigh does not offer a major in pre-med, but does support students who plan to pursue graduate-level work in health-related disciplines. Students who self-identify as pre-health or pre-med, should contact the Center for Career and Professional Development at careercenter@lehigh.edu to be enrolled in the Pre-Health Advising Course Site which provides up-to-date information about being pre-health at Lehigh. Students, at any point throughout their Lehigh career, are encouraged to meet with the pre-health adviser to explore their interests and aspirations and to formulate plans.
Dean of Students Office
Under the umbrella of our Dean of Students Office, students can seek additional academic support. The Center for Academic Success provides one-on-one, group, and peer-led tutoring; the Writing and Math Center provides focused feedback and training for courses that rely heavily on writing and math skills; and Disability Support Services works closely with students who self-identify in order to ensure equal access to University programs, activities, and services.

Mentor Collective
The Mentor Collective at Lehigh University aims to provide peer-led support by upperclassmen to students navigating their first year on campus. You will be contacted via email with an opportunity to opt in to this program and be assigned a Peer Mentor. Please note that students are not automatically enrolled in the Mentor Collective—you have to opt in. If you wish to take advantage of this program you will be paired with a Peer Mentor based on common interests, background, and academics pursuits. You should expect to meet at least once a month with your mentor to discuss a variety of topics regarding preparing for, and navigating, life at Lehigh. The COH highly recommends that students participate in this program.

Academics
Degree programs
Students entering into the College of Health will choose to pursue a BS (major in population health) or a BA (major in community and global health). Students do not need to declare a major prior to the first semester at Lehigh. In fact, we encourage you to explore courses in both disciplines before making this commitment.

Bachelor of Science: Population Health
Students pursuing a major in population health learn to investigate the determinants of health using data science and learn to identify novel and effective avenues for disease prevention, health promotion, diagnosis, and intervention. With a foundation of mathematics, natural sciences, social sciences, and computer science, population health majors pursue a healthier world through data science and epidemiology.

Bachelor of Arts: Community and Global Health
Students pursuing a major in community and global health dive deep into the social, biological, environmental, political, and economic determinants of health to understand the roots of inequity in health outcomes both domestically and globally. To address these inequities, students apply both quantitative and mixed methods research, and learn to design, implement, and assess community-level health interventions to improve health outcomes.

Advanced Placement and International Baccalaureate
The university offers capable students who have superior preparation an opportunity for advanced placement and/or college credit. Many secondary schools, in association with the College Board, offer college-level work. Students participating in these courses should sit for the Advanced Placement Tests offered by the College Board. Entering first-year students that request the College Board to send their Advanced Placement Test scores to Lehigh are considered for advanced placement. You must have your scores submitted directly to Lehigh (code 002365).

Students who earn the International Baccalaureate may be granted credit in higher-level or advanced subjects with scores of 5 or better. All students will have their credentials evaluated on an individual
basis for specific course equivalency. Lehigh’s Registration & Academic Services Office must receive the Official IB transcript before credit will be assigned.

Additional information about Advanced Placement and International Baccalaureate can be found here.

Transfer credit
If you have taken college courses at another accredited institution and plan to transfer these credits to Lehigh, you must submit a request to Registration and Academic Services. Refer to the transfer student web page at lehigh.edu/admissions/transfer-students for additional information.

Course Catalog
The course catalog serves as a guide to program requirements and university rules and policies as they relate to your undergraduate education. The course catalog is updated in August and is available online at catalog.lehigh.edu.

Course Registration
Overview
• It is your responsibility to register for your fall semester classes. Your summer interactions with College of Health faculty and staff will prepare you for this process.
• You will need to register for a minimum of 12 credits to be a full-time student, while the maximum number of credits you can take in your first semester is 17.
• A typical course load is about 15 credits.
• Generally speaking, you can only register for courses numbered below 100, unless given permission by a department or professor. However, some 100-level courses offered through the College of Health are available to first year students without special permission. These courses are noted as such in the following sections.
• Soon you will receive an invitation from the Office of Registration and Academic Services to complete a short onboarding survey. Please be sure to complete this survey as it provides information that will be used by your academic adviser.
• The Office of Registration and Academic Services will also email you in June to let you know the day and time in July registration will open for you. It is important that you complete your course registration process during the assigned dates since classes have limited seating. Use the instructions in this manual to ensure you are prepared for that process!
• Should you need any additional information on the registration process the Office of Registration and Academic Services has created a website for first year students that includes step-by-step videos and the most common Frequently Asked Questions about registration, located at: fysenroll.lehigh.edu.

First Semester Course Planning
The major in population health and the major in community and global health each has a distinct set of core courses that students are required to take. Students should choose core courses based on the intended major. If a student is undecided about their choice of major, then it is recommended that courses from both programs be taken to help guide this decision. Students who intend to enter into medical, dental, or veterinary school immediately following the completion of their undergraduate degree, may opt to delay taking COH core classes until their second year.

AP credit will be posted on July 6. Students should check this information and attempt to resolve any issues prior to registration.
English Requirement
All College of Health students must earn credit for two courses (6 credits total) in First Year Writing. Students with no transfer credit or insufficient achievement test scores, will start with ENGL 001 (3 credits), the first English course. Students who demonstrate required proficiency on either of the English AP exams (English Language & Composition OR English Literature & Composition) with a score of 4 will receive 3 credits for ENGL 001, which fulfills the first of the two required First Year Writing courses. These students should enroll in ENGL 002-010, CRN 40098. This class is on Tuesdays and Thursdays (T/R) from 3:00p to 4:15p. If you are unable to register for ENGL 002 in the fall, then you should choose another course and register for ENGL 002 in the spring.

Math Recommendation
Calculus is not a required course, but it is recommended for students who plan to declare a BS in population health. The Mathematics Department uses a Calculus placement tool, ALEKS, from McGraw-Hill. Every student who intends to take a Calculus class at Lehigh in the fall of 2021 must use the ALEKS system for placement. ALEKS is an evaluation that provides a second recommendation for your Calculus course based on your results. ALEKS does not give credit like an AP exam. Instead, its purpose is to make sure students are ready for calculus. It will also indicate the topics and areas you can improve and provides modules to work through to prepare you for the fall semester. After completing the suggested modules, you have the opportunity to test again and improve your placement recommendation. More details about ALEKS will be provided in time for registration.

Electives
Your college experience should include time for you to explore. We encourage you to use your time at Lehigh to take courses in Lehigh’s other undergraduate colleges, pursue a minor, and/or study abroad. When searching for possible elective courses, remember to look at those numbered below 100 unless otherwise noted.

Fall courses
The following courses are open to first year students. Some are core classes for the BA or BS programs and others are electives. Questions about a specific course can be sent to incoh@lehigh.edu.
**BSTA 001 | Population Health Data Science I | 3 cr.**

**Section 010 | TR 1:35p - 2:50p | CRN: 44534**

This course teaches students the fundamentals of probability theory, univariate statistics, statistical computing/programming/visualization, and machine learning. A mix of traditional and experiential learning will focus on how to build an analysis pipeline to answer pressing questions in population health. In-class examples and projects will use real data sets. Students will propose a small data-driven project focused in population health, and use their newly-acquired data science skills to collect, analyze, and present their work. *(Required PH; Option for Requirement CGH)*

**Instructor: TBD**

**BSTA 002 | Population Health Data Science I Algorithms Lab | 1 cr.** *(This course can only be taken if you are also enrolled in BSTA 001. It is required for population health majors, it is not required for community and global health majors)*

**Section 010 | F 10:45a - 1:25p | CRN: 45367**

Students will apply statistical concepts learned in BSTA 001 Population Health Data Science I to describe, visualize, and draw inferences on a variety of health datasets using Python3. Datasets that students will study include: influenza-like illness and confirmed positive cases of COVID-19 tracked by the Centers for Disease Control and Prevention, and a repository of potentially hazardous chemicals found in commercial products. Lab is to be taken concurrently with lecture (BSTA 001 Population Health Data Science I).

*(Required PH, Elective CGH)*

**Instructor: TBD**

**CGH 001 | Community Health | 3 cr.**

**Section 010 | MW 10:45a - 12:00p | CRN: 45346**

The interdisciplinary field of community health focuses on improving the health of communities through health promotion and disease prevention, education, policy development, and community empowerment. This course provides students with an overview of theoretical, methodological, and practical aspects of community health with a focus on working in diverse communities. Students will gain an understanding of how community-level health issues relate to broader contextual issues within the community and externally. *(Required CGH, Elective PH)*

**Instructor: Professor Chris Daley**

**CGH 004 | Introduction to Global Population Health | 3 cr.**

**Section 010 | MW 1:35p - 2:50p | CRN: 45353**

In this course, students will receive an introduction to global population health. We begin with an analysis of the rise of the international community in addressing population health needs, and the international norms guiding healthcare delivery systems. We will also focus on healthcare delivery systems, innovations, and policy reforms in response to healthcare needs in several developing nations. Finally, students will understand the political, social, and more recent commercial determinants of population health in these countries. *(Required CGH, Elective PH)*

**Instructor: Professor Ed Gomez**
**CGH 021 | Culture and Health | 3 cr.**  
**Section 010 | R 1:35p - 2:50p | CRN: 45347**  
This course will introduce students to the complex and dynamic relationship between culture and health in Western and non-Western populations, communities, and societies. Cross-cultural institutions such as economics, politics, kinship, religion, and language, and their roles in sickness and illness will be discussed. The relationship between traditional and modern healing systems will also be analyzed.  
*(Option for Requirement CGH, Elective PH)*  
**Instructor: Professor Sean Daley**

**HIT 010 | Seminar: Design Thinking for Innovation in Health | 1 cr.**  
**Section 011 | R 10:45a - 12:00p | CRN: 45359**  
Design Thinking is a human centered design process used to identify problems and create actionable solutions. Students will be exposed to the process, and attitudes needed, to frame and reframe problems, challenge assumptions, access their creativity, and tell compelling stories to communicate their ideas. The emphasis is on learning by doing and focuses on practicing the 5 steps in Design Thinking: Empathize, Define, Ideate, Prototype, Test that can be applied to virtually any area where new solutions are needed.  
*(Required PH, Elective CGH)*  
**Instructor: Professor Chris Kauzmann**

**POPH 001 | Introduction to Population Health | 4 cr.**  
**Section 110 | TR 12:10p - 1:25p & R 1:35p - 2:50p | CRN: 44400**  
**Section 111 | TR 12:10p - 1:25p & F 9:20a - 10:35a | CRN: 44537**  
Despite significant advances in medicine and public health, inequities in health persist. Understanding health on a population level is an approach that seeks to improve the health of the whole population, unravel variations in health outcomes, and to identify effective strategies for reducing or eliminating inequities. The purpose of this course is to provide students with an understanding of: 1) how population health defined and measured; and 2) the determinants of population health from cell to society.  
*(Required PH, Elective CGH)*  
**Instructor: Professor Fatima Wakeel**

**POPH 003 | Justice, Equity, and Ethics in Population Health | 3 cr.**  
**Section 010 | MW 9:20a - 10:35a | CRN: 45354**  
The goal is to examine the historical and emerging issues in population health ethics. The course will introduce both the historical contexts and contemporary issues in population health dilemmas. Topics of interest include: 1) resource distribution and social justice; 2) self-sufficiency and paternalism; 3) health promotion & disease prevention; 4) patients’ right to privacy; 5) research integrity; and 6) newly emerging issues. Students will debate, research, and propose solutions and intervention strategies through group discussions, role play, and presentations. *(Elective PH, Elective CGH)*  
**Instructor: Professor Hyunok Choi**
POPH 101 | History of Population Health | 3 cr.  (to enroll in this course, send an email to incoh@lehigh.edu requesting permission to add this course to your schedule)
Section 010 | MW 7:55a - 9:10a | CRN:44398
This course introduces students to the development of population health as a convergent science. Students will learn about the evolution of population health interests, normative beliefs in service delivery, and policy at the international and domestic level. The principles, ethical values and services enforced by law will be learned. Students will explore the initiatives, collectively achieved among various sectors, addressing the determinants of health. We conclude by addressing future population health challenges, such as the environment, non-communicable diseases, and inequalities. (Elective PH, Elective CGH) Instructor: Professor Ed Gomez

POPH 105 | Intro to Maternal and Child Population Health | 3 cr.  (to enroll in this course, send an email to incoh@lehigh.edu requesting permission to add this course to your schedule)
Section 010 | TR 9:20a - 10:35a | CRN: 45203
The course introduces the student to the Maternal and Child Health field. Students will examine the multi-dimensional determinants of maternal and child health issues using a Life Course approach. Students will also explore the roles of research, programs, policy, and advocacy in the reduction of maternal and child health disparities. (Elective PH, Elective CGH)
Instructor: Professor Fathima Wakeel

POPH 126 | Population Health and the Media | 3 cr.  (to enroll in this course, send an email to incoh@lehigh.edu requesting permission to add this course to your schedule)
Section 110 | M 3:00p - 4:15p & W 1:35p - 2:50p | CRN: 45348
Section 111 | M 3:00p - 4:15p & W 3:00p - 4:15p | CRN: 45349
This course explores the importance of the relationship that health organizations have with the media and the powerful role it can play in what a population deems important in public health. We will examine how mass media campaigns have been used to change behaviors: tobacco, alcohol and drug use; lowering risk factors for heart disease and diabetes; and even road safety to produce life-saving changes in large populations as well as to manage national and worldwide health crises. (Elective PH, Elective CGH)
Instructor: Joan Lunden, Journalist, Author and Television Host.

College of Arts and Sciences Courses
- Humanities (HU) courses
- Social Science (SS) courses
- Natural Science (NS) courses
- Music courses
Sample course schedules
First-year students will generally take about 15 credits in their first semester. Full-time status requires a minimum of 12 credits per semester, with a maximum of 17 credits in your first semester. College of Health courses are typically 3 credits unless they include a lab or recitation component. College of Arts and Sciences courses are typically 4 credits each.

Sample schedule: Major in population health

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 001</td>
<td>Critical Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>BSTA 001*</td>
<td>Population Health Data Science I</td>
<td>3</td>
</tr>
<tr>
<td>BSTA 002*</td>
<td>Algorithms Lab I</td>
<td>1</td>
</tr>
<tr>
<td>POPH 001</td>
<td>Intro to Population Health</td>
<td>4</td>
</tr>
<tr>
<td>HIT 010</td>
<td>Seminar: Design Thinking for Innovation in Health</td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td>Choose from the list of fall courses</td>
<td>3-4</td>
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</table>

*It is recommended that students who enroll in BSTA 001 have advanced placement credit or transfer credit for MATH 051 Survey of Calculus I or MATH 021 Calculus I. If you have not completed this recommended course, then it is suggested that you enroll in MATH 051 in place of BSTA 001 and BSTA 002 and take Population Health Data Science I and Algorithms Lab in the spring semester.

Sample schedule: Major in community & global health

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 001</td>
<td>Critical Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>CGH 001</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>CGH 004</td>
<td>Intro to Global Population Health</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Choose from the list of fall courses</td>
<td>3-4</td>
</tr>
<tr>
<td>Elective</td>
<td>Choose from the list of fall courses</td>
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Sample schedule: Undecided

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 001</td>
<td>Critical Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>CGH 001 or CGH 004</td>
<td>Community Health or Intro to Global Population Health</td>
<td>3</td>
</tr>
<tr>
<td>POPH 001</td>
<td>Intro to Population Health</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>Choose from the list of fall courses</td>
<td>3-4</td>
</tr>
<tr>
<td>Elective</td>
<td>Choose from the list of fall courses</td>
<td>3-4</td>
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Sample schedule: Pre-health

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 001</td>
<td>Critical Reading and Composition</td>
<td>3</td>
</tr>
<tr>
<td>MATH 051</td>
<td>Survey of Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 030</td>
<td>Intro to Chemical Principles</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 001</td>
<td>Intro to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>HIT 010</td>
<td>Seminar: Design Thinking for Innovation in Health</td>
<td>1</td>
</tr>
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Preparing to Register
Registration begins July 12-14 and closes on July 30. Changes to your schedule can be made during FYS orientation.

There are instructional videos on how to look up and register for classes at fysenroll.lehigh.edu, but here are some helpful tips to get you started:

- Login to the Registration Portal via your Student Banner to review all course offerings for the Fall Semester, or Access the class search tool directly webapps.lehigh.edu/registrar/schedule/
• Choose link, “Browse Classes by Semester”
• Select from drop down, “2021 Fall Semester” and click “Continue”
• You can look up courses by Subject or by Attribute, such as Social Science Requirement or Humanities Requirement
  o The subject codes for the College of Health are
    ▪ POPH (Population Health)
    ▪ HIT (Health Innovation and Technology)
    ▪ BSTA (Biostatistics)
    ▪ CGH (Community & Global Health)
    ▪ EPI (Epidemiology)
• Displayed results will tell you the CRN, course number, title, instructor, days, times, and credits of a course
• Clicking on the title of a course shows you important information such as:
  o Course description
  o Restrictions, which may prevent registration
  o Fees, which may be associated with the course
  o Current enrollment
Steps to Building your Schedule

1. Make a list of all the courses you must register for.
2. Search for elective courses of interest numbered below 100.
3. Make a list of all the courses you would like to register for and a list of alternate courses.
4. Register for ENGL, MATH and Sciences courses first as these courses tend to fill quickly.
5. Plan multiple versions of your schedule and avoid scheduling two courses during the same days/times.
6. Check if the courses have pre-requisites or registration permissions, seek these permissions in advance of registration.
7. Register for courses starting with those with the fewest seats available.
8. If a course is full, put yourself on the wait list and register for your back-up course.
9. Check if the courses have pre-requisites or registration permissions, seek these permissions in advance of registration.
10. Review your registration and confirm that you are registered for at least 12 credits.
11. Schedules can be changed up until the 10th day of class, be careful dropping a course as you may not be able to add it again.