Goals

1. Graduates will have an understanding of the social determinants of health and their impact on the expression of individual and community health.

2. Graduates will be able to illustrate a broad map of the components of healthcare systems.

3. Graduates will recognize challenges to safety and quality through the integration of those components.

4. Graduates will be able to relate the role of health care policy in achieving community and population health.

5. Graduates will develop a basic vocabulary in healthcare economics, and use it to analyze the provider’s role in healthcare costs and health policy.
Delivered In: Blood and Lymph

BL - Meet Sickle Cell Patients
1. Show increased awareness of the impact of a chronic illness on patients and their families.
2. Describe some of the barriers to health care access and treatment for patients with sickle cell disease.

BL - Resistance, Immunity & Vaccines
1. Give an example of a human and an animal antitoxin; a toxoid; a killed virus vaccine; and a live virus vaccine. Identify the one which produces the longest-lasting immunity. Discuss possible hazards of each type of preparation.
2. Identify the oral and parenteral polio vaccines by the names of their developers and discuss their relative advantages and disadvantages, and note which is currently used in the USA.

BL - Meet Cancer Survivors
1. Describe some of the psychosocial difficulties that cancer survivors face, such as obtaining medical insurance coverage.
2. Estimate the percentage of the population who are cancer survivors.

Delivered In: Cardiovascular, Pulmonary and Renal Systems

Tobacco Prevention & Intervention
1. Describe trends in tobacco use and recent health policy regarding tobacco.
2. Discuss the toll cigarette smoking takes on patients and society in terms of disease, mortality, cost and health disparities.

TB - Worldwide Control, Testing
1. Identify individuals who should be targeted for tuberculin skin testing to diagnose latent tuberculosis infection.
2. Discuss the public health implications of identifying and treating latent tuberculous infection.

Occupational Lung Diseases/Exposures
1. Define the major determinants of site and severity of lung disease.
2. Identify the exposures or causes for each of the nine occupational/environmental lung diseases.
Delivered In: Disease and Defense

DD - Regulation of Drug Use in the United States

1. Describe the role of federal, state and local governments in regulating the prescription writing process.
2. Summarize the preclinical and clinical phases (1-4) of the new drug approval process of the FDA with respect to number and types of subjects, approximate time involved, and limitations in pronouncing a new drug as "safe".
3. Compare and contrast FDA regulation of prescription drugs vs. dietary supplements (DSHEA 1994).

DD - Prescription Writing

1. Describe the legal components of a written prescription in Colorado.
2. Describe the major elements of the Controlled Substances Act
   - Distinctions between prescription drugs and controlled substances
   - Explain the special requirements for prescribing controlled substances and their schedules I-V
   - Explain how prescribing controlled substances in Colorado differs from other states
3. Give examples of suggestions for improved prescription writing.

DD - Epidemiologic and Environmental Aspects of Cancer

1. Discuss how epidemiology implicates environmental factors causing most cases of cancer.
2. Identify the three most common types of cancer (other than skin cancer) among men and women (incidence), and the three leading types responsible for cancer mortality for men and women (mortality) in the United States.
3. Explain how environmental chemicals cause cancer and the importance of “activation” by microsomal enzymes.
4. Explain why cancer is much more common in the elderly compared to young adults.

Delivered In: Digestive, Endocrine and Metabolic Systems

Psych - Illness Among Physicians

1. List the occupational hazards physicians face which can undermine health as well as the delivery of quality patient care.
2. Discuss the health risks associated with chronic stress

Illness Among Physicians

1. Discuss the prevalence of illness including substance use and abuse among physicians.
2. Discuss the etiologic hypotheses for the development of substance use/abuse among physicians.
3. Discuss the clinical symptoms and signs of illness among physicians and the impact of physician illness on medical practice.

Living with Diabetes

1. List the tools available to a person with diabetes that allow them to assess their own blood sugar level.
2. List factors that will tend to make a person with diabetes have an increase in their blood sugar levels.
Delivered In: Foundations of Doctoring 1

**Electronic Health Record and Documentation**

1. Describe why health IT and EHR's are on the rise.
2. Recognize the various technologies you will be using.
3. Describe what medical students are allowed to document in the EHR.
4. Discuss how to maximize your interaction with EHR’s and your patients.

**Medical Economics**

1. Describe the evolution of health insurance in the United States from 1900-2016.
2. Describe the impact that healthcare payment models can have on cost and quality.
3. To discuss the pros and cons of healthcare reform efforts in terms of coverage, cost, quality, and addressing health disparities.

Delivered In: Integrated Clinicians Course 7001

**Medical Errors and Medical Students**

1. Recognize the occurrence and causes of medical error as they relate to Phase III
2. Recognize the occurrence and causes of medical error as they relate to Phase III
3. Have an advance plan for how to manage the personal impact of medical errors
4. Have an advance plan for how to manage the personal impact of medical errors
5. Cite actions that support becoming a positive deviant for patient safety and healthcare improvement
6. Cite actions that support becoming a positive deviant for patient safety and healthcare improvement

**Safety and Quality Improvement at Local Hospitals**

1. Identify local hospital efforts to reduce error and improve quality of care
2. Be familiar with error reporting systems within local hospitals
3. Appreciate the student role in patient safety and quality improvement locally

Delivered In: Integrated Clinicians Course 7002

**Social Determinants in Health Care**

1. List the social determinants of health
2. Discuss the concept of modifiable social inequalities
3. Define the two types of bias
4. Apply the effective analysis for specific cases.
5. Discuss the basics of health disparities
Delivered In: Integrated Clinicians Course 7003

Managing Unanticipated Outcomes Presentation

1. Discuss the impact of medical errors on physicians, patient family members and institutions.
2. Describe a framework for managing unanticipated outcomes.
3. Identify communication skills essential to disclosure.

Delivered In: Integrated Clinicians Course 8004

How Doctors Get Paid: Medicare reimbursement past and future

1. Discuss the future role of quality metrics in physician Medicare payments.
2. Discuss at least one flaw in the current Medicare system.
3. Discuss two key components of Medicare reform in the health care delivery system.
4. List the key components of the Medicare reimbursement formula.

History of Medicare A to D

1. Discuss the legal obligations of medical students.
2. Discuss the history of Medicare and the implementation of the new health reform law.

Delivered In: Infectious Disease

ID Hospital Infection Control

1. Recognize the proper indications and use of hand hygiene, define hand hygiene, describe the different methods of hand hygiene and when each method should be employed, and explain why health care workers with patient contact are not allowed to have artificial nails.
2. Recognize the various types of barrier precautions and why they are utilized, and explain the rationale for standard precautions and what it entails, what airborne precautions entail, what contact precautions entail, and what droplet precautions entail.
3. Recognize the utility of and methods used in infection control surveillance.
4. Recognize the role of infection control in emerging infections and bioterrorism, explain what universal respiratory hygiene/cough etiquette is and why it’s important, and describe the impact of SARS on hospitals and medical staff.
5. Describe why surveillance is important and list three methods used for surveillance.
6. Describe the process of an outbreak investigation and the methods used to prevent common nosocomial infections.

Delivered In: Life Cycle

LC - Cervical Cancer Screening and Prevention

1. Name the parties involved in making decisions regarding HPV vaccination and discuss the issues they face.
2. List the issues involved in vaccinating HIV positive individuals, and internationally.
3. Describe 2012-13 recommendations for cervical cancer screening and summarize recent trends in the changes made to such national recommendations in recent years.
LC - Child Abuse
1. Explain your legal obligations to report suspected cases.

LC - Domestic Violence
1. Define intimate partner violence, family violence, and sexual assault.
2. Cite statistics regarding the epidemiology of IPV and its presentations.
3. List risk factors associated with being abused and describe why reliance on risk factors is considered controversial in the context of screening.
4. Define the legal and professional responsibilities of clinicians in management of the victim of abuse or IPV.

Delivered In: Nervous System

PTSD: The Changed Brain
1. Describe the diagnostic criteria for PTSD.

Alcoholic Anonymous
1. Discuss experiential learning module about alcoholics anonymous and other 12 step programs.