Alcohol, Tobacco and Other Drugs

Year I

Clinical Medicine I
- DSM-IV Definitions: Alcohol, Abuse & Dependence; Definitions: Binge Drinking, Moderate Drinking; Screening & Assessment: CAGE, AUDIT, Brief Interventions- Syllabus & Group Seminar
- Risk Factor Assessment- Alcohol & Sexual Violence- Lecture; & Geriatric Assessment-Syllabus

Clinical Nutrition
- Maternal and Infant Nutrition- Lecture
- Nutrition Basics: Micronutrients- Lecture
- Nutritional Assessment- Lecture
- Nutrition and Aging, Obesity- Lecture
- Nutrition Diabetes- Lecture
- Cardiovascular Diseases- Lecture
- Nutrition and Gastrointestinal Diseases- Lecture

Histology/ Embryology
- Fetal Alcohol Syndrome- Lecture

Medical Genetics
- Prenatal diagnosis- Lecture
- Dysmorphology- Lecture

Year II

Clinical Medicine II
- Issues in Tobacco Use- Lecture
- Patient- Centered Counseling for Change- Lecture
- Alcohol Screening in Primary Care- Lecture
- Brief Intervention for Hazardous and harmful drinking- self-study handout

Pathobiology
- Inhalant, Chemical and Drug Toxicity- Lecture
- Cellular Alterations- Lecture
- Pediatrics I (fetus/neonate), II (SIDS) and III (malformations)- Lectures

Pathophysiology
- Respiratory: Tobacco Cessation- Lecture
- Respiratory: Lung Cancer- Lecture
- Gastrointestinal: Toxic, Metabolic and Cholestatic Liver Disorders- Lecture
- Gastrointestinal: Drug Induced Hepatotoxicity- Lecture

Pharmacology
- Pharmacology of Substance Abuse and Addiction- 3 Lecture Unit
- Clinical Correlations: Poisoned Patients- Lecture
- Prescription Writing and Drug Costs- Lecture
- Clinical Correlation: Pharmacology of Pain- Lecture
- CNS Pharmacology: Opiates- Lecture
- Pharmacovigilance- Small Group Session
- Drug Metabolism- Lecture
- The Poisoned Patient- Lecture

Psychiatry
- Substance Use Disorders- Lecture

Co-Curricular Activities

American Medical Association
- Operation Don’t Smoke

Health and Wellness Program
- Alcohol, Prescription Drugs and Brain Power- Seminar
- Health Risk Assessments: Obesity, BP, Nicotine, Alcohol, etc.- Seminar
- Health Risk Assessment: Obesity, tobacco, nutrition, etc. - Seminar

Clinical Education

Year III Internal Medicine
- Smoking, Obesity, Alcohol Counseling- Lecture

Year III Family Medicine
- Brief Intervention: Hazardous Alcohol Use and Smoking Cessation- Required Learning Activity during Family Medicine Clerkship

Year III Psychiatry
- Substance Use Disorder- Required Clinical Diagnosis Encounter

Year III Surgery
- Core Cases- Several cases centered on surgical complications of alcohol/tobacco

Years I-IV
2014-2015
Clinical Prevention and Population Health

Years I-IV
2014-2015

<table>
<thead>
<tr>
<th>Year I</th>
<th>Year II</th>
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</thead>
<tbody>
<tr>
<td><strong>Biochemistry</strong></td>
<td><strong>Clinical Medicine II</strong></td>
</tr>
<tr>
<td>• Integration of Metabolism &amp; Diabetes I and II- Lecture</td>
<td>• Community Health: Community health Assessment- Self-Study</td>
</tr>
<tr>
<td><strong>Clinical Medicine I</strong></td>
<td>• Community Health: Adverse Health Outcomes- Self-Study</td>
</tr>
<tr>
<td>• Community Health: Family History- Self-Study</td>
<td>• Population Based Medicine: Special Needs Populations- Syllabus, Panel, Lecture</td>
</tr>
<tr>
<td>• Community Health: Measuring Health Status- Lecture</td>
<td>• Health Care Systems: Quality Healthcare Assessment- Self Study</td>
</tr>
<tr>
<td>• Community Health: Health Status in Detroit- Lecture</td>
<td>• Health Care Systems: Regulation &amp; Governance- Lecture</td>
</tr>
<tr>
<td>• Health Care Systems: Public Health Structure and Function- Self-study</td>
<td>• Health Disparities: Health Disparities- Lecture</td>
</tr>
<tr>
<td>• Health Care Systems: Achievements and Challenges in Public Health- Self Study</td>
<td>• Health Care Financing: Health Care Financing- Lecture</td>
</tr>
<tr>
<td>• Prevention &amp; Health maintenance: Clinical Prevention Guidelines- Lecture</td>
<td>• Population Based Medicine: Patient Centered Counseling for Change- Lecture</td>
</tr>
<tr>
<td>• Health Disparities: Ethnic and Racial Disparities- Lecture</td>
<td>• Prevention &amp; Health Maintenance: Risk Factors- Self-Study</td>
</tr>
<tr>
<td>• Public health- Lecture</td>
<td><strong>Immunology/ Microbiology</strong></td>
</tr>
<tr>
<td><strong>Clinical Nutrition</strong></td>
<td>• Infection Prevention and Control in the Hospital- Lecture</td>
</tr>
<tr>
<td>• Diabetes; Cardiovascular Disease- Lecture</td>
<td>• Vaccines- Lecture</td>
</tr>
<tr>
<td>• Diabetes- Patient Panel</td>
<td><strong>Pathobiology</strong></td>
</tr>
<tr>
<td><strong>Medical Genetics</strong></td>
<td>• Atherosclerosis- Lecture</td>
</tr>
<tr>
<td>• Inborn Errors of Metabolism: Diagnosis and Treatment- Lecture</td>
<td>• Pediatrics I-III – Lectures</td>
</tr>
<tr>
<td>• Metabolic Conditions- Patient Panel</td>
<td>• Aging- Lecture</td>
</tr>
<tr>
<td>• Clinic Day- Patient Panel</td>
<td><strong>Pathophysiology</strong></td>
</tr>
<tr>
<td>• Clinical Cancer Genetics and Syndromes- Lecture</td>
<td>• Cardiovascular: Chronic Stable Angina- Lecture</td>
</tr>
<tr>
<td>• Population Genetics and Risk Assessment- Lecture</td>
<td>• Cardiovascular: Acute coronary syndromes- Lecture</td>
</tr>
<tr>
<td><strong>Physiology</strong></td>
<td>• Cardiovascular: Pharmacotherapy of ischemic heart disease- Lecture</td>
</tr>
<tr>
<td>• Diabetes- Lecture</td>
<td>• Cardiovascular: Cardiovascular disease prevention- Lecture</td>
</tr>
<tr>
<td><strong>Translational Medicine I</strong></td>
<td>• Connective Tissue: Metabolic bone disease- Lecture</td>
</tr>
<tr>
<td>• The process of care- Lecture</td>
<td>• Connective Tissue: NSAIDs, gout &amp; osteoporosis drugs- Lecture</td>
</tr>
</tbody>
</table>

**Health and Wellness Program**

- Health and Wellness Assessment- Seminar
- Depression/ Suicide Screening & Prevention- Seminar

**Clinical Education**

<table>
<thead>
<tr>
<th>Year III Continuity Clinic Clerkship</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prevention/health maintenance- Lecture</td>
</tr>
<tr>
<td>• Understand the environment in which you will be working by determining the major diagnoses treated in the preceptor’s office- CLE objective</td>
</tr>
</tbody>
</table>

**Year III Family Medicine**

- Population Based Medicine: Clinical Prevention- Seminar, Clinical Learning Exercise Introduced during FM Orientation and required PxDx for FM
## Co-Curricular Activities (Clinical Prevention and Population Health)

<table>
<thead>
<tr>
<th>Organization</th>
<th>Activities</th>
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</thead>
<tbody>
<tr>
<td>Advantage Health Centers</td>
<td>• Health Screenings</td>
</tr>
<tr>
<td>Aesculapians</td>
<td>• Healthy Detroit, Park Days</td>
</tr>
<tr>
<td>American Association of Physicians of Indian Origin (AAPI)</td>
<td>• MAPI Clinic</td>
</tr>
</tbody>
</table>
| American Medical Association | • Health Fairs with Building Healthy Communities and DMC  
• Riverwalk BP and Education  
• Wayne Country Medical Society Foundation Kids Event  
• Operation Don’t Smoke |
| American Medical Student Association | • Outreach with American Indian Health Family Services  
• Friendship Baptist Church med School Visit Day Program  
• Healthy Kids |
| American Medical Women’s Association (AMWA) | • Health Education Seminars & Soup Kitchen  
• Volunteer with Mercy Primary Care |
| Amigos Medicos | • Volunteer at Covenant Clinic Michigan Avenue, Covenant Waterman Clinic, and VIM-South Carolina |
| Asian Pacific American Medical Student Association (APAMSA) | • Community outreach |
| ARIE Foundation | • Outreach to Children’s Hospital Michigan |
| Black Medical Association | • Reach Out to Youth (ROTY)  
• Super All Year (SAY) |
| Cass Clinic | • Volunteer opportunity |
| Cathedral Homeless Interdisciplinary Program | • Volunteer opportunity |
| Chaldean American Medical Student Association | • Health Fairs  
• Meals on Wheels |
| Christian Medical Association | • Homeless Meals Program |
| Code Blue | • Public School Outreach |
| Good Samaritan Food Ministry | • Volunteer opportunity |
| Hematology/Oncology Peer Education (HOPE) | • Be the Match Bone Marrow Drive  
• Camp Casey horseback riding camp for kids with cancer |
| Islamic Medical Students Association | • HUDA clinic |
| Jewish Medical Students Association | • Food Bank |
| Oakwood Center for Exceptional Families | • Outreach program |
| Open Source Medicine | • My Health Report |
| Pediatric Interest Group | • Children’s Hospital of Michigan outreach  
• Pediatric Dialysis Photo Club |
| Project H | • Wayne Country Family Services |
| ReDetroit | • Back Alley Bikes  
• Capuchin Kitchen outreach program |
| Robert R. Frank Student Run Free Clinic | • Volunteer program |
| Raising Out Community’s Knowledge (ROCK) | • Healthy living presentations  
• Little Steps |
| RunDetroit | • Mentoring program |
| Sight Savers | • Outreach |
| SIGN Brain Day | • Outreach opportunity |
| STI-AIDS Education Group | • AIDS Education Initiative  
• AIDS Partnership Michigan  
• Wayne Country Jail Outreach  
• Michigan Aids Coalition (MAC)  
• Project Challenge Partnership Children’s Hospital  
• Volunteer at the Horizons Clinic |
| World Health Student Organization | • Volunteer at Freedom House  
• Manage/Operate at a health clinic in Ecuador  
• Manage/Operate at a health clinic in Haiti  
• Manage/Operate at a health clinic in Panama  
• Manage/Operate at a health clinic in Peru |
Complementary and Alternative Medicine

Years I-IV
2014-2015

Year I
Clinical Medicine I
- Complementary and Alternative Medicine- *Self-study & small group seminar*
- Cardiovascular Risk Assessments and CAM- *Lecture*
- Complementary and Alternative Medicine- *Senior Home Visit*
Clinical Nutrition
- Complementary and Alternative Medicine & Supplements- *Lecture*
- Nutrition Basics: Micronutrients- *Lecture*
- Pregnancy, Infancy, & Adolescence- *Lecture*
- Nutrition and Aging, Obesity- *Lecture*
- Nutritional Assessment- *Lecture*
- Rapid Eating Assessment for Patients and Physician Key for Diet Assessment and Counseling- *Self Study*

Year II
Clinical Medicine II
- NCCAM Resources- *Senior Home Visit*
Pharmacology
- Drug Metabolism- *Lecture*
- Clinical Correlation: Pharmacology of Pain- *Lecture*
- Pharmacovigilance- *Small group session*
Pathophysiology
- Gastrointestinal: Drug- Induced Hepatotoxicity- *Lecture with focus on herbal supplement side effects*
Psychiatry
- Risk of complementary/herbal mediations- *Lecture*

Clinical Education
Year III Family Medicine
- Complementary/alternative health care- *Lecture*

Year III Family Medicine
- Complementary/alternative health care- *Lecture*

Health and Wellness Program
- How to Counsel Patients on Healthy Lifestyle Choices- *Seminar*
- Painting for Well-Being- *Seminar*
- Foods for a Healthy Brain- *Seminar*

Co-Curricular Activities
Aesculapians
- Guitar Lessons for Kids
American Medical Association
- Health Fairs
- Operation Don’t Smoke
- Riverwalk BP and Education
- Wayne Country Medical Society Foundation Kids Event
American Medical Student Association
- Friendship Baptist Church Med School Visit Day Program
- Healthy Kids
ARIE Foundation
- Outreach to Children’s Hospital Michigan
Code Blue
- Public School Outreach
Food Medicine
- Training on healthy eating choices
Hematology/Oncology Peer Education (HOPE)
- Camp Casey horseback riding camp for children with cancer
Music in Medicine
- Playing music for hospital patients
Pediatric Interest Group
- Outreach to Children’s Hospital Michigan
- Pediatric Dialysis Photo Club
ReDetroit
- Back Alley Bikes
Raising Our Community’s Knowledge (ROCK)
- Presentations promoting healthy living
Street Medicine
- Wellness seminars at Tumaini Center
Visual Thinking- Seminar
- DIA visit
Wayne Children’s Healthcare Access
- Fit Kids 360
# Cultural Competence and Health Disparities

**Years I-IV**

*2014-2015*

## Year I
- Diversity and Inclusion Perspectives- Year 1 Orientation
- Co-Curricular Programs- Year 1 Orientation
- The Big “D” (presentation on Detroit and its population)- Year 1 Orientation

## Clinical Medicine I
- Health Status in Detroit- Lecture
- Ethnic & Racial Disparities in Health Status- Lecture
- Cultural Issues in Chronic Illness- *Case based Small group session*

## Clinical Nutrition
- Nutrition and Aging, Obesity- *Lecture with discussion on risk among different ethnicities and races*
- Cardiovascular Diseases- *Lecture with discussion on risk among different ethnicities and races*

## Medical Genetics
- Population Genetics and Risk Assessment- *Lecture*
- Prenatal Diagnosis- *Case-Small Group*
- Cancer Case Study- *Small Group*

## Year II

### Clinical Medicine II
- Community health Assessment- *Self Study*
- Global Issues- *Lecture*
- Community Health Indicators
- An Approach to Understanding health Disparities- *Lecture*
- Culturally and Linguistically Appropriate Care: Ethnic Communities in Detroit- *Panel*
- Special Needs Populations- *Panel*
- Cross-Cultural Communication: Health Literacy- *Lecture*
- Health Care Issues in the Developing World – *Lecture*
- Health Disparities- *Lecture*
- The power of privilege- *self study handout*

### Pathobiology
- Atherosclerosis- *Lecture*

### Psychiatry
- Psychotic Disorders- *Lecture with discussion on diagnostic biases related to race*
- Mood Disorders- *Lecture with discussion on diagnostic biases related to race*

## Clinical Education

### Year III Continuity Clinic Clerkship
- Cultural competence in health care- *Orientation topic*
- Access patient education material and determine if it meets basic health literacy requirements, including being culturally and linguistically appropriate for the patient- *CLE objective*

### Year III Internal Medicine
- Cultural competence in health care- *Orientation topic*
Co-Curricular Activities (Cultural Competence and Health Disparities)

American Association of Physicians of Indian Origin (AAPI)
- Hindi Language Sessions
- MAPI Clinic

Aesculapians
- Rebuilding Together- Wheelchair Ramps
- Healthy Detroit, Park Days

Africans in Medicine (AIM)
- Blight Busters

American Medical Association
- Health Fairs with Building Healthy Communities and DMC
- Riverwalk BP and Education
- Wayne Country Medical Society Foundation Kids Event

American Medical Student Association
- Volunteer with American Indian Health and Family Services
- Outreach with AIFHS
- Friendship Baptist Church Med School Visit Day Program
- Healthy Kids program

American Medical Women’s Association (AMWA)
- Health Education Seminars & Soup Kitchen
- Volunteer with Mercy Primary Care

Amigos Medicos
- Language Sessions
- Volunteer at Covenant Clinic Michigan Avenue, Covenant Waterman Clinic, and VIM- South Carolina

Asian Pacific American Medical Student Association (APAMSA)
- Language Sessions

ARIE Foundation
- Outreach to Children’s Hospital Michigan

Black Medical Association
- Reach Out to Youth (ROTY)
- Super All Year (SAY)

Cass Clinic
- Volunteer opportunity

Cathedral Homeless Interdisciplinary Program
- Volunteer opportunity

Chaldean American Medical Student Association
- Health Fairs
- Meals on Wheels

Christian Medical Association
- Homeless Meals Program

Code Blue
- Public School Outreach

Gleaners Food Bank
- Outreach program

Good Samaritan Food Ministry
- Volunteer opportunity

Hematology/Oncology Peer Education (HOPE)
- Be the Match Bone Marrow Drive
- Camp Casey horseback riding camp for kids with cancer

Islamic Medical Students Association
- HUDA clinic

Jewish Medical Students Association
- Food Bank

Pediatric Interest Group
- Children’s Hospital of Michigan outreach
- Pediatric Dialysis Photo Club

Project H
- Wayne Country Family Services

Raising Out Community’s Knowledge (ROCK)
- Healthy living presentations
- Little Steps

ReDetroit
- Peanut Butter and Jelly Program for the Homeless
- Back Alley Bikes
- Capuchin Kitchen outreach program

Robert R. Frank Student Run Free Clinic
- Volunteer program

RunDetroit
- Mentoring program

Sight Savers
- Outreach

STI-AIDS Education Group
- AIDS Education Initiative
- AIDS Partnership Michigan
- Wayne Country Jail Outreach
- Michigan Aids Coalition (MAC)
- Project Challenge Partnership Children’s Hospital
- Volunteer at the Horizons Clinic

Street Medicine
- Detroit Clean Up
- Wellness Seminars

Wayne Children’s Healthcare Access
- Fit Kids 360

World Health Student Organization
- Volunteer at Freedom House
- Manage/Operate at a health clinic in Ecuador
Co-Curricular Activities

Aesculapians
  • Children’s Bereavement Camp

End-of-Life Issues

Years I-IV
2014-2015

Year I
Gross Anatomy
  • Cadaver Memorial Service

Clinical Medicine II
  • End of Life Decision Making/ Caring for Patients Near End of Life- Case based small group sessions
  • Advanced Care Planning; End-of-Life Issues- Small group session
  • End of Life Decision Making/ Futility- Lecture
  • Medical Futility- Lecture
  • Suicide- Lecture
  • Pain Assessment and management- Lecture
  • HIV Awareness- Large and small group (includes terminal illness, facing a life threatening illness)

Pathobiology
  • Aging- Lecture

Pharmacology
  • Clinical Correlation: Pharmacology of Pain- Lecture

Psychiatry
  • Psychological Reactions to Illness- Lecture with Greif stages discussed

Year II

Clinical Education

Year III Continuity Clinic Clerkship
  • End-of-Life Care- Lecture
  • Understand and discuss advanced care planning issues with patients- CLE objective

Year III Family Medicine
  • Hospice Site Visit- One Day Visit
  • Hospice Debriefing- Seminar

Year IV Sub-Internship
  • End-of-Life Care- Lecture Series
### Ethics and Professionalism

#### Years I-IV

**2014-2015**

<table>
<thead>
<tr>
<th>Year I</th>
<th>Clinical Medicine I</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Professionalism- <strong>Self Study</strong></td>
</tr>
<tr>
<td></td>
<td>- Ethics/Professionalism- <strong>Lecture</strong></td>
</tr>
</tbody>
</table>

**Gross Anatomy**

- Orientation Week/ First of Class- present Code of Conduct/ acceptable behaviors

**Medical Genetics**

- Ethics, Legal, and Social Issues in Genetics- **Lecture**
- Cancer Study- **Small Group**
- Prenatal Diagnosis case- **Small Group**

<table>
<thead>
<tr>
<th>Year II</th>
<th>Clinical Medicine II</th>
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<tbody>
<tr>
<td></td>
<td>- Advance Care Planning; End-of-Life Issues; Ethics- <strong>Small Group Session</strong></td>
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<td></td>
<td>- Ethical Principles- <strong>Lecture</strong></td>
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<td>- HIV/ Ethics- <strong>Panel</strong></td>
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<td></td>
<td>- HIV/ Ethics- <strong>Small groups</strong></td>
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<td>- HIV/ Ethics- <strong>Lecture</strong></td>
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<tr>
<td></td>
<td>- Ethical Principles- <strong>Lecture</strong></td>
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<td></td>
<td>- Clinical Ethics- <strong>Lecture</strong></td>
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</tbody>
</table>

**Pharmacology**

- Prescription Writing and Drug Costs- **Lecture**
- Clinical Correlation: Pharmacology of Pain- **Lecture**

**Physical Diagnosis**

- Professionalism and Clinical Practice- **Orientation Presentation**

### Clinical Education

**Year III Continuity Clinic Clerkship**

- Barriers and Incentives: Effects on Clinical Decision-Making- **Clinical Learning Exercise**
- Confidentiality- **Clinical Learning Exercise**
- Physician-Industry Relations- **Clinical Learning Exercise**

**Year III Internal Medicine**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Family Medicine**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Neurology**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Obstetrics and Gynecology**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Pediatrics**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Surgery**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year III Psychiatry**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

**Year IV Emergency Medicine**

- Professionalism- **Clerkship Objective and Clinical Evaluation Assessment Tool**

### Extracurricular Activities

**Gold Humanism Honor Society**

- Members are selected based on excellence in clinical care, leadership, and dedication to service, as well as enriching the society in which they live by advancing the field of medicine and demonstrating compassion
Geriatrics & Gerontology

Years I-IV
2014-2015

Year I
Biochemistry
- Biochemistry of Aging- Lecture
- Growth/Proliferation/Aging- Lecture

Clinical Medicine I
- The Aging Patient- Self Study Web Exercise
- Geriatric Assessment- Case based small group sessions
- Issues in healthy Aging- Case based small group session
- Standardized patient interview
- Senior Home visit (One half of the class)

Clinical Nutrition
- Nutrition and Aging, Obesity- Lecture
- Nutrition Basics: Micronutrients- Lecture

Neuroscience
- Brain Aging- Lecture

Physiology
- Aging and Menopause- Lecture
- Aging and Endocrine function- Lecture

Clinical Medicine II
- Special Need Populations- Panel
- Adverse Health Outcomes- Self-Study
- Healthy Aging- Lecture
- End of Life 9.1 & 9.2- Case Based Small Group Sessions
- End of Life Decision Making- Lecture
- Futility- Lecture
- Advanced Care Decisions- Lecture
- Senior Home Visits
- Successful Aging- Lecture

Pathobiology
- Pathobiology of Aging- Lecture

Pathophysiology
- Cardiovascular: Cardiovascular Disease in the Elderly- Lecture
- Cardiovascular: Hypertension: Pathophysiology, Clinical Impact and Treatment- Lecture
- Connective Tissue: Introduction to the Musculoskeletal System- Lecture
- Connective Tissue: Musculoskeletal Radiology: Age-Related Changes- Lecture
- Connective Tissue: Metabolic Bone Disease- Lecture
- Gastrointestinal: Systemic Diseases and the GI Tract- Lecture
- Neurology: Dementia- Case Discussion
- Neurology – Alzheimer, Parkinson, Prion Diseases – Lectures
- Neurology – Cerebrovascular Disease (pathology and clinical) - Lectures
- Respiratory: Aging and respiratory Function- Lecture
- Respiratory: Principles of Aging- Lecture
- Respiratory: Preventative Geriatrics- Self Study

Pharmacology
- Clinical Correlation: Geriatric Pharmacology- Lecture
- Pharmacovigilance- Small group discussion

Physical Diagnosis
- Mature Sexuality: Sexual History- Taking- self study
- Geriatric History / Exam- Self Study

Psychiatry
- Dementia- Lecture
- Development Issues of Old Age- Lecture
- Medication to treat Dementia- Lecture

Co-Curricular Activities

Interprofessional Team Home Visit Program
- Medical, nursing, occupational therapy pharmacy, physical therapy, physician assistant and social work students to team care for older adults.

Sight Savers
- Outreach

Senior Citizen Outreach Program (SCOP)
- Health Monitoring

Clinical Education

Year III Family Medicine
- Hospice Patient Home Visit
- Elder Abuse- Seminar

Year III Internal Medicine
- Geriatric syndromes (e.g., fall, incontinence)- Required Clinical Diagnosis Encounter

Year III OB/GYN
- Menopause- Required Clinical Diagnosis Encounter

Year III Psychiatry
- Geriatric patient exposure

Year IV Emergency Medicine
- Elder Abuse- Lecture series
# Human Sexuality

## Years I-IV

### 2014-2015

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<th>Year II</th>
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</thead>
<tbody>
<tr>
<td><strong>Biochemistry</strong></td>
<td><strong>Clinical Medicine II</strong></td>
</tr>
<tr>
<td>• HIV/AIDS I and II- Lecture</td>
<td>• Human Sexuality- GLBT panel</td>
</tr>
<tr>
<td><strong>Clinical Medicine I</strong></td>
<td>• Caring for Sexual health of Diverse Populations- Panel</td>
</tr>
<tr>
<td>• Human Sexuality: an overview- Lecture</td>
<td><strong>Immunology/ Microbiology</strong></td>
</tr>
<tr>
<td>• Caring for Sexual Health of Diverse Populations- Panel</td>
<td>• Clinical Aspects of STDs- Lecture Series</td>
</tr>
<tr>
<td><strong>Gross Anatomy</strong></td>
<td>• Sexually Transmitted Infections- Lecture</td>
</tr>
<tr>
<td>• Male Reproductive System- Lecture</td>
<td>• HIV- Lecture</td>
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<tr>
<td>• Female Reproductive System- Lecture</td>
<td>• HIV and Opportunistic Infections- Lecture</td>
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<tr>
<td>• Autonemics of Pelvis- Lecture</td>
<td>• Clinical Aspects of AIDS- Lecture</td>
</tr>
<tr>
<td><strong>Histology/Embryology</strong></td>
<td><strong>Pathophysiology</strong></td>
</tr>
<tr>
<td>• Male Reproductive System- Lecture</td>
<td>• Endocrine/Reproductive: Female reproductive endocrinology- Lecture</td>
</tr>
<tr>
<td>• Female Reproductive System- Lecture</td>
<td>• Endocrine/Reproductive: Male hypogonadism- Lecture</td>
</tr>
<tr>
<td>• Fertilization- Lecture</td>
<td>• Endocrine/Reproductive: Pharmacology of Male Gonadal Medications- Lecture</td>
</tr>
<tr>
<td><strong>Medical Genetics</strong></td>
<td><strong>Pharmacology</strong></td>
</tr>
<tr>
<td>• Chromosomal Syndromes- Lecture</td>
<td>• Metabolic and Endocrine Pharmacology: Gonadal Steroids- 2 Lecture unit</td>
</tr>
<tr>
<td>• X &amp; Y linked Inheritance- Lecture</td>
<td><strong>Physical Diagnosis</strong></td>
</tr>
<tr>
<td><strong>Physiology</strong></td>
<td>• Mature Sexuality: Sexual History- Taking- self study</td>
</tr>
<tr>
<td>• Pregnancy- Lecture</td>
<td><strong>Psychiatry</strong></td>
</tr>
<tr>
<td>• Puberty- Lecture</td>
<td>• Normal Sexuality, diagnosis sexual dysfunction, and treatment of sexual dysfunction- Lecture</td>
</tr>
<tr>
<td>• Female Reproductive Physiology- Lecture</td>
<td>• Sexual Disorders- Interactive Q&amp;A session</td>
</tr>
<tr>
<td>• Male Reproductive Physiology- Lecture</td>
<td><strong>Clinical Education</strong></td>
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### Co-Curricular Activities

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<th>STI-AIDS Education Group</th>
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<tbody>
<tr>
<td>• AIDS Education Initiative</td>
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<td>• AIDS Partnership Michigan</td>
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<tr>
<td>• Wayne Country Jail Outreach</td>
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<tr>
<td>• Michigan Aids Coalition (MAC)</td>
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<tr>
<td>• Project Challenge Partnership</td>
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<tr>
<td>• Children’s Hospital</td>
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<tr>
<td>• Volunteer at the Horizons Clinic</td>
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</tbody>
</table>

### Clinical Education

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<th>Year III Family Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Vaginitis/STDs- Required Clinical Diagnosis Encounter</td>
</tr>
<tr>
<td><strong>Year III Internal Medicine</strong></td>
</tr>
<tr>
<td>• HIV/AIDS- Required Clinical Diagnosis Encounter</td>
</tr>
<tr>
<td><strong>Year III Obstetrics- Gynecology</strong></td>
</tr>
<tr>
<td>• Human Sexuality- Unit Objective</td>
</tr>
<tr>
<td>• Contraceptive Counseling- Required Clinical Diagnosis Encounter</td>
</tr>
<tr>
<td>• Vaginitis/STDs- Required Clinical Diagnosis Encounter</td>
</tr>
<tr>
<td><strong>Year III Pathophysiology</strong></td>
</tr>
<tr>
<td>• Endocrinology: Infectious/inflammatory disease with emphasis on sexually transmitted pathogens- Lecture</td>
</tr>
<tr>
<td><strong>Year III Psychiatry</strong></td>
</tr>
<tr>
<td>• Exposure to assessing/ screening for sexual health and dysfunction- Clinical Skill</td>
</tr>
</tbody>
</table>
## Interpersonal Violence Across the Lifespan

**Years I-IV**

**2014-2015**

### Clinical Education Curriculum

#### Year I

**Clinical Medicine I**
- Psychosocial Issues in the Patient Interview: Taking a History for Date Rape - *Case based small group session & Supplemental Reading*
- Patient Interviewing: Date Rape - *Case based small group session*
- Date Rape and Partner Violence - *Lecture*

**Histology/ Embryology**
- Fetal Alcohol Syndrome - *Lecture*

**Neuroscience**
- Traumatic Brain Injury (TBI) - *Lecture*

### Year II

**Pathobiology**
- Recognizing Child abuse injuries - *Lecture*

**Psychiatry**
- Suicidal and Homicidal Ideation - *Lecture*
- Violence in the mentally ill - *Lecture*

**Pathophysiology**
- Connective Tissue: Musculoskeletal Trauma - *Lecture*
- Connective Tissue: Violence in the mentally ill - *Lecture*
- Neurology: Pathology of CNS Trauma - *Lecture*

### Year III

**Family Medicine**
- Clinic experience and patient encounters
- Domestic Violence/Abuse - *Didactic session during Orientation*
- Domestic Violence - *Required MedU case*
- Screening, interviewing and managing the domestic violence Patient/ Elder Abuse - *Case Based Seminar*

**Internal Medicine Clerkship**
- Clinic experience and patient encounters
- Elder abuse and other challenges faced by special populations - *Clerkship Orientation*

**Obstetrics-Gynecology**
- Clinic experience and patient encounters
- Laws regarding child abuse and domestic violence - *Learning Objective*

**Pediatrics**
- Clinic experience and patient encounters
- Domestic Violence/ Abuse - *Didactic*
- Hospital Care for Children in Foster Care - *Didactic*
- Maltreatment of Children - *Didactic*

**Psychiatry**
- Clinic experience and patient encounters
- Appropriate reporting of patients who are suicidal and homicidal - *Reinforced skill*

### OSCE (required assessment)
- Domestic Violence (Spousal abuse) - *Standardized patient encounter*

### Year IV

**Emergency Medicine**
- Clinic experience and patient encounters
- Domestic Violence/ Abuse - *Lecture series*
- Elder Abuse - *Lecture*
- Child and Elder Abuse - *Required readings and cases*
Co-Curricular Activities

American Medical Student Association
  • Healthy Start Program

World Health Organization
  • Volunteer at Freedom House
  • Manage/Operate at a health clinic in Ecuador

Year II

Clinical Medicine II
  • Interprofessional Team visit with older adults- Small Groups
  • Interprofessional Team Home visit- Panel

Pathophysiology
  • Connective Tissue: Allied Health Profession Stations- 2-hour session

Pharmacology
  • Prescription Writing and Drug Costs- Lecture
  • Pharmacovigilance- Small group session

Physical Diagnosis
  • Interprofessional Team visit with older adults- Small Groups

Interprofessional Teams

Years I-IV
2014-2015

Clinical Education

Year III Orientation-
  • Emphasis on working with a team of healthcare professions

Year III Family Medicine
  • Hospice Patient Home Visit
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III Internal Medicine
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III Neurology
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III OB/GYN
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III Pediatrics
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III Psychiatry
  • Professionalism and relationships with team members- Clerkship Evaluation Competency

Year III Surgery
  • Professionalism and relationships with team members- Clerkship Evaluation Competency
  • Tumor Board- interaction with other health professions

Year IV Emergency Medicine
  • Professionalism and relationships with team members- Clerkship Evaluation Competency
# Managing Care Curriculum

## Years I-IV

### 2014-2015

<table>
<thead>
<tr>
<th>Year I</th>
<th>Year II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clinical Medicine I</strong></td>
<td><strong>Clinical Medicine II</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>• Interviewing Skills- <em>Small Group Seminar</em></td>
<td>• Community Health Assessment- <em>Clinical Learning Exercise</em></td>
</tr>
<tr>
<td>• Effective Communication- <em>Small Group Seminar</em></td>
<td>• Health workforce</td>
</tr>
<tr>
<td>• Introduction to the Medical Record- <em>Small Group Seminar</em></td>
<td>• Quality Healthcare Assessment- <em>Self Study</em></td>
</tr>
<tr>
<td>• Structure and Function of Public Health Agencies- <em>Self Study Session</em></td>
<td>• Global Issues- <em>Lecture</em></td>
</tr>
<tr>
<td><strong>Genetics</strong></td>
<td></td>
</tr>
<tr>
<td>• Autosomal Dominant Inheritance- <em>Lecture</em></td>
<td>• Community Health Indicators- <em>Lecture</em></td>
</tr>
<tr>
<td>• Autosomal Recessive Inheritance- <em>Lecture</em></td>
<td>• Regulation and Governance- <em>Lecture</em></td>
</tr>
<tr>
<td>• X&amp;Y Inheritance- <em>Lecture</em></td>
<td>• Behavioral Risk Factors- <em>Self Study</em></td>
</tr>
<tr>
<td>• Mitochondrial Inheritance- <em>Lecture</em></td>
<td>• Programs to Improve Quality &amp; Control Health Care Costs- <em>Lecture</em></td>
</tr>
<tr>
<td>• Inborn Errors of Metabolism: Diagnosis and Treatment- <em>Lecture</em></td>
<td>• Health Care Financing/ Allocation of Resources- <em>Lecture</em></td>
</tr>
<tr>
<td>• Clinical Cancer Genetics and Syndromes- <em>Lecture</em></td>
<td>• Adverse health Outcomes- <em>Self Study</em></td>
</tr>
<tr>
<td>• Case Study 1-5- <em>small group</em></td>
<td>• Persons with Disabilities- <em>Lecture</em></td>
</tr>
<tr>
<td></td>
<td>• Special Need Populations- <em>Panel</em></td>
</tr>
<tr>
<td></td>
<td>• Health Disparities- <em>Lecture</em></td>
</tr>
<tr>
<td></td>
<td>• Culturally and Linguistically Appropriate Care: Ethnic Communities in Detroit- <em>Panel</em></td>
</tr>
<tr>
<td></td>
<td>• Clinical Prevention- <em>Small Group Seminar</em></td>
</tr>
<tr>
<td><strong>Pharmacology</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Prescription Writing and Drug Costs- <em>Lecture</em></td>
</tr>
</tbody>
</table>

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### Clinical Education Year III

**Year III Continuity Clinic Clerkship**

- Managed Care/ Other Health Plans- *Lecture*
- Learn about the characteristics of, and differences between, various types of health care plans- *CLE objective*
- Understand office system process- *CLE objective*
- Determine elements required for documenting the level of visit for billing of physician services in the outpatient setting- *CLE objective*
Occupational and Environmental Medicine

Years I-IV

2014-2015

**Year I**

**Clinical Medicine I**
- Exposure History- Small Group session, Syllabus, & Self Study
- Medical Record- Small Group session, Syllabus
- Cumulative Trauma- Small Group session, Syllabus
- Environmental Asthma- Small Group session, Syllabus
- Occupational/Environmental Exposures- Small group session
- The Uncomfortable Arm- Physical Examination; Family and Financial Stress- Small group session

**Co-Curricular Activities**

**ReDetroit**
- Earthworks
- Greening of Detroit

**Street Medicine**
- Detroit Clean Up

**Year II**

**Clinical Medicine II**
- Environment & Health
- Public Health
- Pediatric Interviewing- Lecture (Includes Environmental Exposures)

**Pathobiology**
- Malignancies caused by environmental exposure- Lecture
- Inhalant, Chemical and Drug Toxicity- Lecture

**Pathophysiology**
- Connective Tissue: Pathogenesis of environmental toxins- Lecture
- Connective Tissue: Occupational Therapy- Clinic Day
- Endocrine/Reproductive: Environmental factors causing diabetes and obesity- Lecture
- Respiratory: Occupational/ environmental Lung Disease- Lecture

**Pharmacology**
- Toxicology- 4 lecture unit
- Clinical Correlations: Poisoned Patient- 2 lecture unit

**Clinical Education**

**Year III Family Medicine**
- Exposure History- Seminar & Clinical Learning Exercise

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**Clinical Medicine**

**Years I-IV**

2014-2015

- Exposure History- Small Group session, Syllabus, & Self Study
- Medical Record- Small Group session, Syllabus
- Cumulative Trauma- Small Group session, Syllabus
- Environmental Asthma- Small Group session, Syllabus
- Occupational/Environmental Exposures- Small group session
- The Uncomfortable Arm- Physical Examination; Family and Financial Stress- Small group session

**Co-Curricular Activities**

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- Greening of Detroit

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- Respiratory: Occupational/ environmental Lung Disease- Lecture

**Pharmacology**
- Toxicology- 4 lecture unit
- Clinical Correlations: Poisoned Patient- 2 lecture unit

**Clinical Education**

**Year III Family Medicine**
- Exposure History- Seminar & Clinical Learning Exercise
## Quality and Patient Safety

### Years I-IV

#### 2014-2015

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<tr>
<th>Year I</th>
<th>Year II</th>
<th>Year III</th>
<th>Year IV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clinical Medicine</strong></td>
<td><strong>Clinical Medicine</strong></td>
<td><strong>Year III Orientation</strong></td>
<td><strong>Clinical Education</strong></td>
</tr>
<tr>
<td>• The Pediatric Interview- Lecture</td>
<td>• Patient Safety and Quality- Lecture</td>
<td>• Risk modules</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Interviewing; The Medical History: The Chief Complaint &amp; History of Present Illness- small group session</td>
<td>• IPE to work as teams to improve patient safety—Interprofessional Team Visit (IPTV) orientation and IPTV*</td>
<td>• Year III Continuity Care Clerkship</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Engage in safety habits: Hand washing/cleansing with SP sessions</td>
<td>• Immunology/ Microbiology/ Infectious Disease</td>
<td>• Health care quality improvement- Lecture</td>
<td>• Year III Family Medicine</td>
</tr>
<tr>
<td>• New Clin Med Case: Medication error care with patient harm</td>
<td>• • Interprofessional Team Visit (IPTV) orientation and IPTV*</td>
<td>• Clinical Quality Benchmarks- Lecture</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Transition of care education: introduction to med reconciliation, introduction to health care literacy and patient education and teach back tech—Clin Med 5.1Chronic illness (post ED d/c visit)</td>
<td>• • Healthcare Infection Control- Lecture</td>
<td>• Monitor patients following an office visit to enhance continuity and treatment outcomes- CLE objective</td>
<td>• Year III Neurology</td>
</tr>
<tr>
<td>• Intro to interprofessional teamwork and communication to improve patient safety—OR nurse lecture during anatomy debrief session</td>
<td>• • Understand the application of Clinical Quality Benchmarks of physicians’ practices and health plans- CLE objective</td>
<td>• IHI PS 100 Module: Intro to Patient Safety</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Intro to use of check lists and time outs to improve safety—Anatomy debrief session</td>
<td>• • Demonstrate competence in educating patients about patient demand versus patient need for diagnostic testing, specialist referral, and medical intervention- CLE objective</td>
<td>• Intro to process improvement (LEAN)— debrief workshop session: pig drawing activity</td>
<td>• Year III OB/GYN</td>
</tr>
<tr>
<td>• Intro to process improvement (LEAN)— debrief workshop session: pig drawing activity</td>
<td>• • Increase your understanding of guidelines and issues about interactions between physicians and medical industry representatives Year IV- CLE objective</td>
<td>• IHI PS 100 Module: Intro to Patient Safety</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• IHPS 100 Module: Intro to Patient Safety</td>
<td>• • To become familiar with the challenges of providing continuity between the inpatient and outpatient settings and how this affects patient safety and quality of care- CLE objective</td>
<td>• • Lecture</td>
<td>• Year III Pediatrics</td>
</tr>
<tr>
<td><strong>Translational Medicine</strong></td>
<td><strong>Year III Continuity Care Clerkship</strong></td>
<td>• • Transition of care- CLE activity</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• The process of care- Lecture</td>
<td>• Health care quality improvement- Lecture</td>
<td>• Multiple Sclerosis</td>
<td>• Year III Psychiatry</td>
</tr>
<tr>
<td><strong>Gross Anatomy</strong></td>
<td>• Clinical Quality Benchmarks- Lecture</td>
<td>• Multiple Sclerosis</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Abdominal dissection—retained sponge event session</td>
<td>• Monitor patients following an office visit to enhance continuity and treatment outcomes- CLE objective</td>
<td>• Multiple Sclerosis</td>
<td>• Year III Surgery</td>
</tr>
<tr>
<td>• OR nurse lecture during anatomy debrief session</td>
<td>• Understand the application of Clinical Quality Benchmarks of physicians’ practices and health plans- CLE objective</td>
<td>• • To become familiar with the challenges of providing continuity between the inpatient and outpatient settings and how this affects patient safety and quality of care- CLE objective</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
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<td>• Intro to process improvement (LEAN)— debrief workshop session: pig drawing activity</td>
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<td>• • Transition of care- CLE activity</td>
<td>• Year IV Emergency Medicine</td>
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<td>• IHI PS 100 Module: Intro to Patient Safety</td>
<td>• Increase your understanding of guidelines and issues about interactions between physicians and medical industry representatives Year IV- CLE objective</td>
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<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
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<td>• • Lecture</td>
<td><strong>Clinical Education</strong></td>
</tr>
<tr>
<td>• The process of care- Lecture</td>
<td>• Transition of care- CLE activity</td>
<td>• • Lecture</td>
<td>• Risk modules</td>
</tr>
<tr>
<td><strong>Better Docs</strong></td>
<td>• Multiple Sclerosis</td>
<td><strong>Year III Orientation</strong></td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
<tr>
<td>• Intro to infection control (hand washing and line infection)—lecture and black light hand-washing activity</td>
<td>• Multiple Sclerosis</td>
<td>• Risk modules</td>
<td>• Year III Continuity Care Clerkship</td>
</tr>
<tr>
<td>• Intro to quality improvement (PDSA) and team training – Mr. Potato Head activity and debrief</td>
<td>• Multiple Sclerosis</td>
<td>• • Year III Orientation</td>
<td>• Professionalism, ethics and interpersonal relationships with patients- Clerkship Evaluation Competency</td>
</tr>
</tbody>
</table>

### Co-Curricular

- IPTV curriculum: Modified in 2013-2014 to include use of interprofessional education and teamwork as a means to improve patient safety. Data on students’ percepts of IPTV was collected and available from Dr. Mendez.
- Better Docs: Launched in 2013. Outcomes data on knowledge gained is available. Please see Poster presented at national Society for General Internal Medicine.
Year I
Translational Medicine I

Year 1 lecture topics that provide a Translational Medicine knowledge base for Evidence-Based Practice:
- Translational medicine, the social imperative
- Measurement and design
- Research methodologies, strengths and weaknesses
- Basic research designs
- Basic statistical concepts
- Types of variables and the format of data
- How data is represented numerically and measures of variance
- Clinical epidemiology diagnostics and therapeutics
- Putting evidence into practice within a social context
- The complete physician, the social role of doctors
- Anticipatory guidance, the experiences of medical school
- Ethics in research
- The doctor-patient relationship
- Clinical epidemiology for diagnostic papers
- Clinical epidemiology for therapy papers
- Critical appraisal of the medical literature diagnostic and therapeutic studies
- Practice sessions using topics related to Clinical Medicine 1 clinical scenarios

Year II
Translational Medicine 2

Year 2 students practice the Translational Medicine skills learned in first year in small group journal discussions with clinical research faculty.

Objectives of Translational Medicine 2:
- Assess and critique research as it is reported in major medical journals, based on how data are derived
- Identify important clinical research questions as they relate to case presentations
- Understand the ethics of good clinical practice in research with human participants
- Apply the scientific method to determine causation in health and sickness
- Define the “meaning response” (placebo effect) and its role in health and sickness

Year III Clinical Education
Continuity Clinic Clerkship and Internal Medicine

Year 3 students apply the principles of Translational Medicine and Evidence Based Practice during their Continuity Clinic Clerkship and Internal Medicine Clerkship.

In Continuity Clinic Clerkship, Year 3 students prepare a case report with the following objectives:
Identify:
- Clinical case, clinical problem, clinical question

Describe:
- Clinical application, clinical outcome, take-home points

Apply:
- Critical appraisal of pertinent literature, interpretation of clinical research to lay language for patients, Principles of lifelong learning to stay abreast of relevant scientific advances

The Internal Medicine clerkship has a required assignment to demonstrate the ability to ask and answer a clinical question of their choosing (self-directed learning) and complete an evidence-based translational assignment to identify literature to answer their clinical question.
### Year I

**Gross Anatomy**
- Introduction to Ultrasound- Lecture
- Musculoskeletal Ultrasound: Anatomy and Technique- Lecture
- Head and Neck Ultrasound- Lecture
- Thorax Ultrasound- Lecture
- Abdomen Ultrasound- Lecture
- Lower Limb & Pelvis Ultrasound- Lecture

**Medical Genetics**
- Prenatal Diagnosis- Lecture
- Prenatal Diagnosis Case- Small Group

### Year II

**Clinical Medicine II**
- Abdominal Ultrasound- Small Group Sessions
- Cardiac and Vascular Ultrasound- Small Group Sessions
- Musculoskeletal Ultrasound- Small Group Sessions

**Pathophysiology**
- Cardiovascular: Clinical Pathophysiology of Valvular Heart Disease- Lecture
- Cardiovascular: Infective Endocarditis- Lecture
- Cardiovascular: Congestive Heart Failure- Lecture
- Connective Tissue: Musculoskeletal Ultrasound- Session
- Neurology: Clinic Day Demonstration: Carotid ultrasound- Session

**Physical Diagnosis**
- Cardiovascular Ultrasound- Lecture
- Abdominal and Musculoskeletal Ultrasound- Self Study
- Ultrasound Sessions- lectures and hands- on practice

### Co-Curricular Activities

**Visual Thinking- Seminar**
- DIA visit

**World Health Student Organization**
- Manage/Operate at a health clinic in Panama

### Year III Internal Medicine

- Ultrasound Training- Session

### Year III OB/GYN

- Ultrasound Training- Session

### Year III Surgery

- Ultrasound Training- Session

### Year IV Emergency Medicine

- Ultrasound used as a diagnostic tool
- Ultrasound- Lecture and Skills Lab

### Year IV Surgery Elective

- Advanced surgical skills