



Report: Student Learning Outcomes by Program

SoM-GS

Behavioral & Systems Neuroscience (PHD-BEHN)

Academic Year: 2022-2023

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Students apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Competency

Teamwork

Student Learning Outcome

Students work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.

Competency

Communication

Student Learning Outcome

Demonstrate master's-level competence in written and verbal communication

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Students apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Competency

Teamwork

Student Learning Outcome

Students work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.

Competency

Communication

Student Learning Outcome

Accurately and professionally communicate results with others verbally and in writing.

Student Learning Outcome

Produce written thesis based on their research work in the laboratory.

Competency

Information Literacy

Student Learning Outcome

Demonstrate analytical skills.

Student Learning Outcome

Identify significant and original problems that will impact human health.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Collect and store data in accordance with good lab practices.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Design and conduct independent, innovative research in accordance with the scientific research method.

Student Learning Outcome

Establish new connections within their field of research by attending seminars, meetings, symposiums or conferences.

Student Learning Outcome

Critically evaluate a defined body of knowledge relevant to their field.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where, necessary, to obtain positions outside scientific research

Competency

Communication

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Competency

Information Literacy

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising professional literature in order to stay informed of advances in their chosen field; and connecting with the larger professional community through participating in conferences and societies.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising professional literature in order to stay informed of advances in their chosen field; and connecting with the larger professional community through participating in conferences and societies.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply knowledge of bioinformatics and computational biomedicine, and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Identify and apply appropriate research and methods to analyze, contextualize, interpret results, and evaluate their internal and external validity.

Student Learning Outcome

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Apply knowledge of bioinformatics and computational biomedicine, and related disciplines, to solve problems in research, clinical and/or educational settings.

Competency

Teamwork

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Competency

Communication

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Competency

Information Literacy

Student Learning Outcome

All PhD students are expected to conceptualize, research, and prepare at least one first-author journal article prior to completion of the degree.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping (as relevant), and how to extract information from a wide variety of databases.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply a broad knowledge of bioinformatics and computational medicine, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply a broad knowledge of bioinformatics and computational medicine, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping (as relevant), and how to extract information from a wide variety of databases.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping (as relevant), and how to extract information from a wide variety of databases.

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Appraise applicable bioinformatics concepts, methods, and tools to solve challenging problems in their focus area.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping (as relevant), and how to extract information from a wide variety of databases.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping (as relevant), and how to extract information from a wide variety of databases.

Competency

Teamwork

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological and related scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological and related scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological and related scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological and related scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Apply the principles of team science to solve complex information problems.

Competency

Communication

Student Learning Outcome

Demonstrate master's-level competence in written and verbal communication

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Students engage in principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Competency

Teamwork

Student Learning Outcome

Students work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Students engage in principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Formulate hypothesis-driven or data-driven project based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Competency

Teamwork

Student Learning Outcome

Students work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Competency

Information Literacy

Student Learning Outcome

Demonstrate the ability to recognize gaps in knowledge and experience through informed self-assessment and reflective practices, and take actions to address those gaps.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research;

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research;

Student Learning Outcome

Apply fundamental knowledge of ethics in research;

Competency

Professional Knowledge and Skills

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Formulate hypotheses based on current concepts in the field.

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Design, conduct, and interpret his/her own research.

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, for career development.

Student Learning Outcome

Develop ancillary skills, where necessary, for career development.

Competency

Communication

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and experts

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Interpret and critique scientific literature

Student Learning Outcome

Apply knowledge to one specialized area.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Interpret and critique scientific literature

Student Learning Outcome

Identify gaps in scientific knowledge and formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate a broad knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Demonstrate masters-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Competency

Teamwork

Student Learning Outcome

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature

Student Learning Outcome

Formulate hypothesis based on current concepts in the field

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research

Competency

Professional Knowledge and Skills

Student Learning Outcome

5.Design, conduct, and interpret their own research

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area

Student Learning Outcome

Advance knowledge in selected area of concentration

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field

Competency

Teamwork

Student Learning Outcome

Competency

Communication

Student Learning Outcome

Accurately and professionally communicate results with others verbally and in writing.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship

Competency

Information Literacy

Student Learning Outcome

Critically evaluate a defined body of knowledge relevant to their field.

Student Learning Outcome

Identify significant and original problems that will impact human health.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Establish new connections within their field of research by attending seminars, meetings, symposiums or conferences.

Student Learning Outcome

Produce written documents appropriate for publication.

Student Learning Outcome

Demonstrate analytical skills.

Student Learning Outcome

Collect and store data in accordance with good lab practices.

Student Learning Outcome

Design and conduct independent, innovative research in accordance with the scientific research method.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

SLO 7. Communication and interpersonal skills: Develop and maintain effective relationships with a wide range of individuals through oral, written and nonverbal means in an accurate and effective manner that is sensitive to a range of audiences.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

SLO 4. Individual and Cultural Diversity: The ability to integrate awareness and knowledge of individual and cultural differences in the conduct of professional roles (e.g., research, services, and other professional activities).

Competency

Information Literacy

Student Learning Outcome

SLO 1. Research: Critically evaluate, independently formulate, conduct and disseminate research or other scholarly activities that are of sufficient quality and rigor to have the potential to contribute to the scientific, psychological, or professional knowledge base.

Competency

Patient Centered Care

Student Learning Outcome

SLO 3. Individual and Cultural Diversity: Work effectively and respectfully with diverse individuals and groups including an understanding of how their own personal/cultural history, attitudes, and biases may affect how they understand and interact with people different from themselves.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

SLO 6. Professional values and attitudes: Engage in self-reflection regarding one's personal and professional functioning and engage in activities to maintain and improve performance, well-being, and professional effectiveness.

Student Learning Outcome

SLO5. Professional values and attitudes: Respond and behave professionally and ethically in ways that reflect the values and attitudes of psychology, including integrity, deportment, behavior, professional identity, accountability, lifelong learning, and concern for the welfare of others.

Student Learning Outcome

SLO 2. Ethics: Apply ethical decision-making processes in accordance with relevant laws, regulations, rules, and policies; and relevant professional standards and guidelines.

Competency

Professional Knowledge and Skills

Student Learning Outcome

SLO 8. Assessment: Select, apply and interpret appropriate and evidenced-based assessment tools and methods to measure and gather relevant data using multiple sources to gain an understanding of human behavior within its context (e.g., family, social, societal and cultural).

Student Learning Outcome

SLO 9. Intervention: Implement evidence-based interventions informed by the current scientific literature, assessment findings, diversity characteristics, and contextual variables by modifying and adapting evidence-based approaches, intervention goals and methods consistent with ongoing evaluation.

Competency

Teamwork

Student Learning Outcome

SLO 11. Consultation and interprofessional/interdisciplinary skills: Demonstrates knowledge of consultation models and practices and respect for the roles and perspectives of other professions.

Competency

Communication

Student Learning Outcome

SLO 7. Communication and interpersonal skills: Develop and maintain effective relationships with a wide range of individuals through oral, written and nonverbal means in an accurate and effective manner that is sensitive to a range of audiences.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

SLO 4. Individual and Cultural Diversity: The ability to integrate awareness and knowledge of individual and cultural differences in the conduct of professional roles (e.g., research, services, and other professional activities).

Competency

Information Literacy

Student Learning Outcome

SLO 1. Research: Critically evaluate, independently formulate, conduct and disseminate research or other scholarly activities that are of sufficient quality and rigor to have the potential to contribute to the scientific, psychological, or professional knowledge base.

Competency

Patient Centered Care

Student Learning Outcome

SLO 3. Individual and Cultural Diversity: Work effectively and respectfully with diverse individuals and groups including an understanding of how their own personal/cultural history, attitudes, and biases may affect how they understand and interact with people different from themselves.

Student Learning Outcome

SLO 3. Individual and Cultural Diversity: Work effectively and respectfully with diverse individuals and groups including an understanding of how their own personal/cultural history, attitudes, and biases may affect how they understand and interact with people different from themselves.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

SLO 6. Professional values and attitudes: Engage in self-reflection regarding one's personal and professional functioning and engage in activities to maintain and improve performance, well-being, and professional effectiveness.

Student Learning Outcome

SLO5. Professional values and attitudes: Respond and behave professionally and ethically in ways that reflect the values and attitudes of psychology, including integrity, deportment, behavior, professional identity, accountability, lifelong learning, and concern for the welfare of others.

Student Learning Outcome

SLO 2. Ethics: Apply ethical decision-making processes in accordance with relevant laws, regulations, rules, and policies; and relevant professional standards and guidelines.

Competency

Professional Knowledge and Skills

Student Learning Outcome

SLO 10. Supervision: Demonstrate knowledge of supervision models and practices.

Student Learning Outcome

SLO 8. Assessment: Select, apply and interpret appropriate and evidenced-based assessment tools and methods to measure and gather relevant data using multiple sources to gain an understanding of human behavior within its context (e.g., family, social, societal and cultural).

Student Learning Outcome

SLO 9. Intervention: Implement evidence-based interventions informed by the current scientific literature, assessment findings, diversity characteristics, and contextual variables by modifying and adapting evidence-based approaches, intervention goals and methods consistent with ongoing evaluation.

Competency

Teamwork

Student Learning Outcome

SLO 11. Consultation and interprofessional/interdisciplinary skills: Demonstrates knowledge of consultation models and practices and respect for the roles and perspectives of other professions.

Competency

Communication

Student Learning Outcome

Demonstrate master's-level competence in written and verbal communication

Student Learning Outcome

Demonstrate master's-level competence in written and verbal communication

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Understand the Impact of Machine Learning Algorithms on Social Justice and Equity

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in Computer Science and Machine Learning

Student Learning Outcome

Design, conduct, and interpret their own research (MS thesis)

Student Learning Outcome

Demonstrate advanced knowledge in one area of Computer Science and Machine Learning (MS non-thesis)

Student Learning Outcome

Demonstrate advanced knowledge in Computer Science and Machine Learning.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in Computer Science and Machine Learning

Competency

Teamwork

Student Learning Outcome

Work effectively in teams

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Understand the Impact of Machine Learning Algorithms on Social Justice and Equity

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Competency

Teamwork

Student Learning Outcome

Work effectively in teams.

Competency

Communication

Student Learning Outcome

Apply leadership skills to achieve desired outcomes.

Student Learning Outcome

Demonstrate negotiation skills.

Student Learning Outcome

Demonstrate effective communications skills for clinical and customer services in a variety of formats and settings.

Student Learning Outcome

Practice and/or role play mentoring and precepting others.

Student Learning Outcome

Demonstrate professional writing skills in preparing professional communications.

Student Learning Outcome

Deliver respectful, science-based answers to client questions concerning emerging trends.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Participate in professional and community organizations.

Student Learning Outcome

Show cultural competence/sensitivity in interactions with clients, colleagues and staff.

Student Learning Outcome

Demonstrate advocacy on local, state or national legislative and regulatory issues or policies impacting the nutrition and dietetics profession.

Student Learning Outcome

Propose and use procedures as appropriate to the practice setting to promote sustainability, reduce waste and protect the environment.

Competency

Information Literacy

Student Learning Outcome

Evaluate emerging research for application in nutrition and dietetics practice.

Student Learning Outcome

Select indicators of program quality and/or customer service and measure achievement of objectives.

Student Learning Outcome

Conduct clinical and customer service quality management activities.

Student Learning Outcome

Conduct feasibility studies for products, programs or services with consideration of costs and benefits.

Student Learning Outcome

Perform the Nutrition Care Process and use standardized nutrition language for individuals, groups and populations of differing ages and health status, in a variety of settings.

Student Learning Outcome

Apply evidence-based guidelines, systematic reviews and scientific literature.

Competency

Patient Centered Care

Student Learning Outcome

Develop nutrition education materials that are culturally and age appropriate and designed for the educational level of the audience.

Student Learning Outcome

Develop and evaluate recipes, formulas and menus for acceptability and affordability that accommodate the cultural diversity and health needs of various populations, groups and individuals.

Student Learning Outcome

Refer clients and patients to other professionals and services when needs are beyond individual scope of practice.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Demonstrate professional attributes in all areas of practice.

Student Learning Outcome

Perform self-assessment and develop goals for self-improvement throughout the program.

Student Learning Outcome

Analyze risk in nutrition and dietetics practice.

Student Learning Outcome

Prepare a plan for professional development according to Commission on Dietetic Registration guidelines.

Student Learning Outcome

Practice in compliance with current federal regulations and state statutes and rules, as applicable and in accordance with accreditation standards and the Scope of Nutrition and Dietetics Practice and Code of Ethics for the Profession of Nutrition and Dietetics.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Apply current nutrition informatics to develop, store, retrieve and disseminate information and data.

Student Learning Outcome

Coordinate procurement, production, distribution and service of goods and services, demonstrating and promoting responsible use of resources.

Student Learning Outcome

Explain the process for coding and billing for nutrition and dietetics services to obtain reimbursement from public or private payers, fee-for-service and value-based payment systems.

Student Learning Outcome

Perform management functions related to safety, security and sanitation that affect employees, customers, patients, facilities and food.

Student Learning Outcome

Incorporate critical-thinking skills in overall practice.

Student Learning Outcome

Use effective education and counseling skills to facilitate behavior change.

Student Learning Outcome

Conduct projects using appropriate research methods, ethical procedures and data analysis.

Student Learning Outcome

Participate in management of human resources.

Student Learning Outcome

Develop and deliver products, programs or services that promote consumer health, wellness and lifestyle management.

Student Learning Outcome

Design, implement and evaluate presentations to a target audience.

Student Learning Outcome

Conduct nutrition focused physical assessment.

Student Learning Outcome

Analyze quality, financial and productivity data for use in planning.

Student Learning Outcome

Justify programs, products, services and care using appropriate evidence or data.

Student Learning Outcome

Develop a plan to provide or develop a product, program or service that includes a budget, staffing needs, equipment and supplies.

Competency

Teamwork

Student Learning Outcome

Demonstrate active participation, teamwork and contributions in group settings.

Student Learning Outcome

Assign patient care activities to NDTRs and/or support personnel as appropriate.

Student Learning Outcome

Function as a member of interprofessional teams.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Understand the Impact of Machine Learning Algorithms on Social Justice and Equity

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Competency

Teamwork

Student Learning Outcome

Work effectively in teams.

Competency

Communication

Student Learning Outcome

Program Learning Objective 3: Apply critical thinking, communication, and collaboration skills to address social problems in food systems and society.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Program Learning Objective 3: Apply critical thinking, communication, and collaboration skills to address social problems in food systems and society.

Competency

Information Literacy

Student Learning Outcome

Program Learning Objective 3: Apply critical thinking, communication, and collaboration skills to address social problems in food systems and society.

Student Learning Outcome

Program Learning Objective 1: Explain concepts, theories, and processes of social justice and social change in food systems and society.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Program Learning Objective 2: Analyze theory and evidence to address social problems in food systems and society.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Program Learning Objective 3: Apply critical thinking, communication, and collaboration skills to address social problems in food systems and society.

Competency

Teamwork

Student Learning Outcome

Program Learning Objective 3: Apply critical thinking, communication, and collaboration skills to address social problems in food systems and society.

Competency

Communication

Student Learning Outcome

Communicate effectively and equitably with peers, diverse individuals, organizations, and communities to support stakeholder decision-making and promote culturally responsive exchanges of information.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Student Learning Outcome

Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Exhibit knowledge in the biological, health and clinical information systems domains that are related to the field of health and clinical informatics.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Adhere to the professional and legal conduct standards of the field of health and clinical informatics.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Exhibit knowledge in the biological, health and clinical information systems that are related to the field of biomedical informatics.

Student Learning Outcome

Exhibit knowledge in the biological, health and clinical information systems that are related to the field of biomedical informatics.

Student Learning Outcome

Apply selected informatics methods and tools related to personal health, health care, public health, and biomedical research in an industrial workplace.

Student Learning Outcome

Apply selected informatics methods and tools related to personal health, health care, public health, and biomedical research in an industrial workplace.

Student Learning Outcome

Display familiarity with the use of information technology tools .

Student Learning Outcome

Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.

Student Learning Outcome

Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.

Student Learning Outcome

Exhibit knowledge in the biological, health and clinical information systems that are related to the field of biomedical informatics.

Competency

Teamwork

Student Learning Outcome

Display effective teamwork and written presentation skills.

Student Learning Outcome

Display effective teamwork and written presentation skills.

Student Learning Outcome

Display effective teamwork and written presentation skills.

Competency

Communication

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and non-experts.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Student Learning Outcome

Integrate the culture and diversity of a population when carrying out research and/or professional practice in informatics.

Competency

Information Literacy

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising professional literature in order to stay informed of advances in their chosen field; and connecting with the larger professional community through participating in conferences and societies.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising professional literature in order to stay informed of advances in their chosen field; and connecting with the larger professional community through participating in conferences and societies.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising professional literature in order to stay informed of advances in their chosen field; and connecting with the larger professional community through participating in conferences and societies.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Solve complex health and health information problems by balancing constraints (economic, regulatory) while integrating the priorities of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Identify and apply appropriate research and methods to analyze, contextualize, interpret results, and evaluate their internal and external validity.

Student Learning Outcome

Solve complex health and health information problems by balancing constraints (economic, regulatory) while integrating the priorities of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Solve complex health and health information problems by balancing constraints (economic, regulatory) while integrating the priorities of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Identify and apply appropriate research and methods to analyze, contextualize, interpret results, and evaluate their internal and external validity.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Solve complex health and health information problems by balancing constraints (economic, regulatory) while integrating the priorities of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Solve complex health and health information problems by balancing constraints (economic, regulatory) while integrating the priorities of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and apply appropriate research and methods to analyze, contextualize, interpret results, and evaluate their internal and external validity.

Student Learning Outcome

Given a problem, formulate a plan, critically compare options, make timely decisions or recommendations, identify, and improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply knowledge of health and clinical informatics and related disciplines, to solve problems in research, clinical and/or educational settings.

Competency

Teamwork

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of biological or other scientists, informatics, information technology, clinical, administrative, and other experts.

Competency

Communication

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Communicate professionally, including during interactions with others, and while giving and receiving feedback.

Student Learning Outcome

Effectively communicate and disseminate scientific research in written and verbal form to both peers and non-experts.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Student Learning Outcome

Integrate the culture and diversity of a population when developing research ideas, conducting research, evaluating implementation, and/or interpreting research findings.

Competency

Information Literacy

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

All PhD students are expected to conceptualize, research, and prepare at least one first-author journal article prior to completion of the degree.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

All PhD students are expected to conceptualize, research, and prepare at least one first-author journal article prior to completion of the degree.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Student Learning Outcome

All PhD students are expected to conceptualize, research, and prepare at least one first-author journal article prior to completion of the degree.

Student Learning Outcome

Engage in lifelong learning through: finding, interpreting and critically appraising scientific literature in order to fill knowledge gaps and stay informed of scientific advances; synthesizing and applying new knowledge to their own research; and connecting with the larger scientific community through participating in scientific conferences and societies.

Student Learning Outcome

Identify gaps in scientific knowledge; formulate a research question; design a research study; employ and apply appropriate methods or develop new methods as necessary; analyze, contextualize, and interpret results; and evaluate the internal and external validity of the research findings.

Competency

Patient Centered Care

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Student Learning Outcome

Demonstrate and promote informatics solutions that help to ensure patient safety within relevant clinical settings.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Student Learning Outcome

Apply fundamental knowledge of ethics in research and implement solutions that assure confidentiality, security and integrity while maximizing the availability of data, information, and knowledge.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Apply a broad knowledge of health and clinical informatics, and related disciplines, to solve problems in research, clinical and educational settings.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Appraise applicable informatics concepts, methods, and tools to solve challenging health informatics problems in their focus area.

Student Learning Outcome

Have experience and training utilizing modern frameworks for rapid prototyping, and how to extract information from a wide variety of databases, as relevant.

Student Learning Outcome

Identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties, and use findings to improve outcomes in light of evolving evidence.

Competency

Teamwork

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Solve complex health and health information problems by applying the principles of team science to the scope of practice and roles of different stakeholders (including health care professionals, researchers, and patients).

Student Learning Outcome

Function as a productive member of a multidisciplinary collaborative team of informatics, information technology, clinical, administrative, and other experts.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Assess how those stakeholders operate in a mutually influencing system.

Student Learning Outcome

Describe specific and relevant stakeholders in the healthcare system and describe their stakes.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Analyze complex organizations using frameworks.

Student Learning Outcome

Predict problems with consideration of uncertainties and risks.

Competency

Teamwork

Student Learning Outcome

Demonstrate awareness of differing perspectives of others.

Competency

Communication

Student Learning Outcome

Present complex information with relevant justification and analysis.

Student Learning Outcome

Create a message that is clear and concise.

Student Learning Outcome

Present information appropriate to the context, purpose, and audience.

Student Learning Outcome

Create a message that is clear and concise.

Student Learning Outcome

Create a message that is clear and concise.

Student Learning Outcome

Present information appropriate to the context, purpose, and audience.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Describe specific and relevant stakeholders in the healthcare system and describe their stakes.

Student Learning Outcome

Assess how those stakeholders operate in a mutually influencing system.

Competency

Information Literacy

Student Learning Outcome

Critically evaluate qualitative and quantitative information using decision-making frameworks and tools.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Evaluate an organizational dilemma through an ethical framework.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Predict problems with consideration of uncertainties and risks.

Student Learning Outcome

Analyze the potential short- and long-term implications (intended and unintended) of healthcare policy and operations decisions.

Student Learning Outcome

Make decisions and evidence-based recommendations that improve outcomes.

Student Learning Outcome

Analyze complex organizations using frameworks.

Competency

Teamwork

Student Learning Outcome

Demonstrate awareness of differing perspectives of others.

Competency

Communication

Student Learning Outcome

Present complex information with relevant justification and analysis.

Student Learning Outcome

Demonstrate a thorough consideration of context, purpose and audience.

Student Learning Outcome

Demonstrate a thorough consideration of context, purpose and audience.

Student Learning Outcome

Present a message that is clear, concise and insightful.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Describe relevant and specific stakeholders in the healthcare system, articulate their stakes, and illustrate how those stakeholders operate in a mutually influencing system.

Student Learning Outcome

Describe complex relationships from multiple perspectives.

Student Learning Outcome

Assess how those stakeholders operate in a mutually influencing system.

Student Learning Outcome

Craft meaningful and actionable problem statements with strong consideration towards diverse stakeholders.

Competency

Information Literacy

Student Learning Outcome

Thoughtfully design and rigorously evaluate potential solutions.

Student Learning Outcome

Systematically gather and methodically analyze primary and secondary data most relevant to the situation.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Evaluate an organizational dilemma through an ethical framework.

Student Learning Outcome

Analyze the potential short- and long-term implications (intended and unintended) that healthcare policy, finance, and operations decisions have on providing value from multiple stakeholders' (especially patients') points of view.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Translate and apply their understanding of the complex healthcare system to address specific healthcare organizational, business, and quality issues faced by stakeholders in the healthcare system.

Competency

Teamwork

Student Learning Outcome

Identify strengths and perspectives of others to build and strengthen relationships.

Student Learning Outcome

Assess your emotions, strengths, weaknesses, drivers, values and goals and analyze how they affect others.

Competency

Communication

Student Learning Outcome

Communicate clinical and translational research findings to different groups of individuals, including colleagues, students, the lay public, and the media.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Recognize the relevance of demographic, geographic, and ethnographic features within communities and populations when designing a clinical study.

Competency

Information Literacy

Student Learning Outcome

Identify and interpret the state of knowledge regarding a research question through critical appraisal of published literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Utilize adult learning principles to assess areas for growth in clinical and translational research skills

Student Learning Outcome

Incorporate the fundamental principles of the protection of human subjects and essential elements of voluntary informed consent; minimize risks to human subjects; and protect vulnerable populations.

Student Learning Outcome

Apply best practices in informatics for the organization of biomedical and health information and research data in the management of data for clinical and translational research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Generate a hypothesis and specific aims for a clinical or translational research study.

Student Learning Outcome

Interpret the basic principles of random variation, systematic error, sampling error, measurement error, hypothesis testing, type I and type II errors, and confidence limits.

Student Learning Outcome

Evaluate the reliability and validity of measures, threats to study validity (bias).

Student Learning Outcome

Compare and assess appropriate study methods (study design) for a research question as to feasibility, efficiency, and bias-free inference

Student Learning Outcome

Propose an appropriate study design and protocol for a clinical and translational research study.

Competency

Communication

Student Learning Outcome

Communicate clinical and translational research findings to different groups of individuals, including colleagues, students, the lay public, and the media

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Appraise the role of community engagement as a strategy for identifying community health issues, translating health research to communities and reducing health disparities

Student Learning Outcome

Recognize the relevance of demographic, geographic, and ethnographic features within communities and populations when designing a clinical study.

Competency

Information Literacy

Student Learning Outcome

Identify and interpret the state of knowledge regarding a research question through critical appraisal of published literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Utilize adult learning principles to assess areas for growth in clinical and translational research skills and engage in opportunities for growth in those areas.

Student Learning Outcome

Utilize adult learning principles to assess areas for growth in clinical and translational research skills and engage in opportunities for growth in those areas.

Student Learning Outcome

Apply best practices in informatics for the organization of biomedical and health information and research data in the management of data for clinical and translational research.

Student Learning Outcome

Incorporate the fundamental principles of the protection of human subjects and essential elements of voluntary informed consent; minimize risks to human subjects; and protect vulnerable populations.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Propose an appropriate study design and protocol for a clinical and translational research study.

Student Learning Outcome

Apply management best practices in a research project across its fiscal, personnel, regulatory compliance and problem solving requirements

Student Learning Outcome

Generate a hypothesis and specific aims for a clinical or translational research study.

Student Learning Outcome

Apply the basic principles of random variation, systematic error, sampling error, measurement error, hypothesis testing, type I and type II errors, and confidence limits.

Student Learning Outcome

Evaluate the reliability and validity of measures, threats to study validity (bias).

Student Learning Outcome

Compare and assess appropriate study methods (study design) for a research question as to feasibility, efficiency, and bias-free inference.

Competency

Teamwork

Student Learning Outcome

Model the principles of building and managing an interdisciplinary/ intradisciplinary/ multidisciplinary team that matches the objectives of the research problem.

Competency

Communication

Student Learning Outcome

Apply their advanced knowledge of nutrient metabolism and physiology to explain relationships between nutrient intake, indicators of nutritional status, and health and disease.

Student Learning Outcome

Disseminate research results or other scholarly work about nutrition-related topics to scientists, health care professionals and members of the general public using poster, oral presentation, and written formats.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Competency

Information Literacy

Student Learning Outcome

Develop a project to answer a nutrition-related question: including problem identification, a review of existing literature, collection of data or conduction of a project, statistical analysis of results and statement of conclusion.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Student Learning Outcome

Develop a project to answer a nutrition-related question: including problem identification, a review of existing literature, collection of data or conduction of a project, statistical analysis of results and statement of conclusion.

Student Learning Outcome

Develop a project to answer a nutrition-related question: including problem identification, a review of existing literature, collection of data or conduction of a project, statistical analysis of results and statement of conclusion.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Student Learning Outcome

Perform a thorough review of the nutrition-related scientific literature using library resources, evidence-based guidelines, systematic reviews and other peer-reviewed material and critically analyze this material for scientific merit.

Competency

Patient Centered Care

Student Learning Outcome

Utilize the Nutrition Physical Examination to identify physical signs and symptoms of nutrition-related disease in patients and communicate these findings to the healthcare team using the Nutrition Care Process.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Utilize the Nutrition Physical Examination to identify physical signs and symptoms of nutrition-related disease in patients and communicate these findings to the healthcare team using the Nutrition Care Process.

Student Learning Outcome

Apply their advanced knowledge of nutrient metabolism and physiology to explain relationships between nutrient intake, indicators of nutritional status, and health and disease.

Competency

Teamwork

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Student Learning Outcome

Communicate effectively with clients, patients, peers, mentors, and collaborators in a professional and ethical manner that fosters a constructive and collaborative working environmental for all.

Competency

Communication

Student Learning Outcome

2. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of a linear accelerator utilized for external beam radiation therapy treatment in Radiation Medicine.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Student Learning Outcome

1. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of x-ray systems utilized in imaging and therapeutic devices found in Radiation Medicine or Diagnostic Radiology.

Competency

Information Literacy

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

8. Students will exhibit professional and ethical characteristics in the clinical areas where medical imaging exams and radiation therapy treatments are performed.

Student Learning Outcome

5. Upon graduation, students will be prepared to take Part 1 of the American Board of Radiology Initial Certification Exam.

Competency

Professional Knowledge and Skills

Student Learning Outcome

2. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of a linear accelerator utilized for external beam radiation therapy treatment in Radiation Medicine.

Student Learning Outcome

7. At the end of the Oregon Medical Physics Program (OMPP), students will be able to explain the biological and chemical pathway for radiation-induced carcinogenesis, including time intervals and all potential outcomes.

Student Learning Outcome

1. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of x-ray systems utilized in imaging and therapeutic devices found in Radiation Medicine or Diagnostic Radiology.

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Competency

Teamwork

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Competency

Communication

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Student Learning Outcome

10. Demonstrate the ability to transfer knowledge through the formal education process (ability to teach in the formal educational setting).

Student Learning Outcome

1. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of x-ray systems utilized in imaging and therapeutic devices found in Radiation Medicine or Diagnostic Radiology.

Student Learning Outcome

2. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of a linear accelerator utilized for external beam radiation therapy treatment in Radiation Medicine.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Competency

Information Literacy

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

8. Students will exhibit professional and ethical characteristics in the clinical areas where medical imaging exams and radiation therapy treatments are performed.

Student Learning Outcome

5. Upon graduation, students will be prepared to take Part 1 of the American Board of Radiology Initial Certification Exam.

Competency

Professional Knowledge and Skills

Student Learning Outcome

2. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of a linear accelerator utilized for external beam radiation therapy treatment in Radiation Medicine.

Student Learning Outcome

6. Students will execute a research project based on in-depth knowledge of scientific literature, experimental design, and statistical tools.

Student Learning Outcome

7. At the end of the Oregon Medical Physics Program (OMPP), students will be able to explain the biological and chemical pathway for radiation-induced carcinogenesis, including time intervals and all potential outcomes.

Student Learning Outcome

9. Contribute to the application and translation of new Medical Physics knowledge through scholarly inquiry, discovery, and dissemination.

Student Learning Outcome

1. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to explain the components, functionality and design of x-ray systems utilized in imaging and therapeutic devices found in Radiation Medicine or Diagnostic Radiology.

Student Learning Outcome

3. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to communicate the risks associated with the use of radiation to members of the general public, patients, and professionals in healthcare.

Student Learning Outcome

10. Demonstrate the ability to transfer knowledge through the formal education process (ability to teach in the formal educational setting).

Competency

Teamwork

Student Learning Outcome

4. At the end of the Oregon Medical Physics Program (OMPP), the graduate will be able to apply radiation safety principles in the calculation and design of radiation shielding. This will include communicating with a team of individuals from equipment manufacturers, design and construction, architects, hospital administration and clinicians.

Competency

Communication

Student Learning Outcome

Effectively communicate in written and verbal form to both peers and experts

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Interpret and critique scientific literature

Student Learning Outcome

Apply knowledge to one specialized area

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate a broad knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Identify gaps in scientific knowledge and formulate hypothesis based on current concepts in the field.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Communication

Student Learning Outcome

Accurately and professionally communicate results with others verbally and in writing.

Competency

Information Literacy

Student Learning Outcome

Critically evaluate a defined body of knowledge relevant to their field.

Student Learning Outcome

Identify significant and original problems that will impact human health.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Collect and store data in accordance with good lab practices.

Student Learning Outcome

Produce written documents appropriate for publication.

Student Learning Outcome

Establish new connections within their field of research by attending seminars, meetings, symposiums or conferences.

Student Learning Outcome

Design and conduct independent, innovative research in accordance with the scientific research method.

Student Learning Outcome

Demonstrate analytical skills.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Competency

Communication

Student Learning Outcome

Demonstrate master's-level competence in written and verbal communication

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Competency

Information Literacy

Student Learning Outcome

Advance knowledge in selected area of concentration.

Student Learning Outcome

Interpret and critique scientific literature.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Teamwork

Student Learning Outcome

Develop collaboration skills

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Student Learning Outcome

Actively engage in diversity, equity, and inclusion work

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Competency

Teamwork

Student Learning Outcome

Develop collaboration skills

Competency

Communication

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Communication: Effectively communicate with other members of the healthcare team including accurately and adequately documenting information regarding care for medical, legal, quality, and financial purposes. Elicit information from patients in an organized, efficient manner based on an appropriate differential diagnosis. Educate patients about medical conditions and health promotion and disease prevention principles. Apply the concepts of health literacy.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Communication: Effectively communicate with other members of the healthcare team including accurately and adequately documenting information regarding care for medical, legal, quality, and financial purposes. Elicit information from patients in an organized, efficient manner based on an appropriate differential diagnosis. Educate patients about medical conditions and health promotion and disease prevention principles. Apply the concepts of health literacy.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Communication: Effectively communicate with other members of the healthcare team including accurately and adequately documenting information regarding care for medical, legal, quality, and financial purposes. Elicit information from patients in an organized, efficient manner based on an appropriate differential diagnosis. Educate patients about medical conditions and health promotion and disease prevention principles. Apply the concepts of health literacy.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Upon completion of the Physician Assistant program, graduates will demonstrate competence in Social Justice and Equity: Apply the principles of social justice and equity. Recognize and work against systemic structures that contribute to health care disparities.

Competency

Information Literacy

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Clinical Reasoning: Formulate a differential diagnosis for a presenting problem based on an appropriate history, physical examination and diagnostic workup. Locate, appraise, and integrate information from evidence-based studies related to patients' health. Determine the appropriate interventions and plan for disease management. Our Program operationalizes information literacy "locate, appraise, and integrate information" from evidence-based studies related to patients' health through the competency of clinical reasoning.

Competency

Patient Centered Care

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Patient Centered Care:Recognize the importance of coordinating patient care effectively with the health care team.Incorporate patient preferences when determining diagnostic and therapeutic interventions.Advocate for equitable, accessible, high-quality patient care.Apply the concepts of population health to patient care.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Patient Centered Care:Recognize the importance of coordinating patient care effectively with the health care team.Incorporate patient preferences when determining diagnostic and therapeutic interventions.Advocate for equitable, accessible, high-quality patient care.Apply the concepts of population health to patient care.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Patient Centered Care:Recognize the importance of coordinating patient care effectively with the health care team.Incorporate patient preferences when determining diagnostic and therapeutic interventions.Advocate for equitable, accessible, high-quality patient care.Apply the concepts of population health to patient care.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Patient Centered Care:Recognize the importance of coordinating patient care effectively with the health care team.Incorporate patient preferences when determining diagnostic and therapeutic interventions.Advocate for equitable, accessible, high-quality patient care.Apply the concepts of population health to patient care.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Professionalism: Demonstrate accountability and integrity in actions and decision making in regards to patients, the profession, the public, and oneself. Recognize and work within personal and professional limitations.Center shared-decision making with patients and advocate for equitable access to effective healthcare.Commit to lifelong learning and practice improvement.Intentionally collaborate with all members of the healthcare team.Endorse the value of positionality.Contribute to an environment that is safe and free from harassment.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Professionalism: Demonstrate accountability and integrity in actions and decision making in regards to patients, the profession, the public, and oneself. Recognize and work within personal and professional limitations.Center shared-decision making with patients and advocate for equitable access to effective healthcare.Commit to lifelong learning and practice improvement.Intentionally collaborate with all members of the healthcare team.Endorse the value of positionality.Contribute to an environment that is safe and free from harassment.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Practice Knowledge: Learn and apply foundational knowledge in pathophysiology, etiology, risk factors, epidemiology, signs and symptoms, differential diagnosis, diagnostic work-up, patient management, surgical principles, health promotion, and disease prevention for a variety of acute and chronic medical conditions. Demonstrate foundational knowledge in social determinants of health.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Practice Knowledge: Learn and apply foundational knowledge in pathophysiology, etiology, risk factors, epidemiology, signs and symptoms, differential diagnosis, diagnostic work-up, patient management, surgical principles, health promotion, and disease prevention for a variety of acute and chronic medical conditions. Demonstrate foundational knowledge in social determinants of health.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Practice Knowledge: Learn and apply foundational knowledge in pathophysiology, etiology, risk factors, epidemiology, signs and symptoms, differential diagnosis, diagnostic work-up, patient management, surgical principles, health promotion, and disease prevention for a variety of acute and chronic medical conditions. Demonstrate foundational knowledge in social determinants of health.

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Practice Knowledge: Learn and apply foundational knowledge in pathophysiology, etiology, risk factors, epidemiology, signs and symptoms, differential diagnosis, diagnostic work-up, patient management, surgical principles, health promotion, and disease prevention for a variety of acute and chronic medical conditions. Demonstrate foundational knowledge in social determinants of health.

Competency

Teamwork

Student Learning Outcome

Upon completion of the Physician Assistant program, the graduate will be able to demonstrate competence in Professionalism: Intentionally collaborate with all members of the healthcare team.

Competency

Communication

Student Learning Outcome

Demonstrate doctoral-level competence in written and verbal communication.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Students apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship

Competency

Information Literacy

Student Learning Outcome

Interpret and critique scientific literature.

Student Learning Outcome

Formulate hypothesis based on current concepts in the field.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Develop ancillary skills, where necessary, for career development

Student Learning Outcome

Apply fundamental knowledge of ethics in research.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Formulate hypothesis based on current concepts in the field

Student Learning Outcome

Demonstrate advanced knowledge in one specialized area.

Student Learning Outcome

Design, conduct, and interpret their own research.

Student Learning Outcome

Demonstrate a basic knowledge of central concepts in the relevant scientific field.

Student Learning Outcome

Advance knowledge in selected area of concentration.

Competency

Teamwork

Student Learning Outcome

Develop ancillary skills, where necessary, to obtain positions outside scientific research.

Student Learning Outcome

Students work effectively within collaborative, team-based environment while acknowledging positionally and intentionally making space for diverse perspectives

Competency

Communication

Student Learning Outcome

Demonstrate active listening and oral and written communication skills with diverse individuals, communities and colleagues to ensure effective, culturally appropriate exchange of information.

Student Learning Outcome

Demonstrate active listening and oral and written communication skills with diverse individuals, communities and colleagues to ensure effective, culturally appropriate exchange of information.

Competency

Community Engagement, Social Justice and Equity

Student Learning Outcome

Social Justice and Equity: Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Student Learning Outcome

Social Justice and Equity: Apply principles of social justice, equity, and/or anti-racism through community-engaged practice, service, or scholarship.

Competency

Information Literacy

Student Learning Outcome

Demonstrate an appropriate understanding of evolving health care systems, health and science policy and resource allocation in order to optimize human health and scientific discovery.

Student Learning Outcome

Understand the value of continuing education and apply research skills towards increasing knowledge and understanding of the current trends in the treatment and cure of cancer.

Student Learning Outcome

Understand the value of continuing education and apply research skills towards increasing knowledge and understanding of the current trends in the treatment and cure of cancer.

Student Learning Outcome

Demonstrate an appropriate understanding of evolving health care systems, health and science policy and resource allocation in order to optimize human health and scientific discovery.

Competency

Patient Centered Care

Student Learning Outcome

Recognize side-effects or complications commonly associated with each treatment procedure, and recommend the appropriate patient care, with respect for patient preferences, needs, attitudes, beliefs and values.

Student Learning Outcome

Collaborate with diverse patients, families and communities professionally, with integrity, using appropriate verbal and nonverbal communication.

Student Learning Outcome

Collaborate with diverse patients, families and communities professionally, with integrity, using appropriate verbal and nonverbal communication.

Student Learning Outcome

Recognize side-effects or complications commonly associated with each treatment procedure, and recommend the appropriate patient care, with respect for patient preferences, needs, attitudes, beliefs and values.

Competency

Professional Identity and Ethical Behavior

Student Learning Outcome

Demonstrate radiation therapy specific behaviors and norms, as well as the ability to work effectively in an interdisciplinary/ interprofessional team in clinical decision-making and ethical problem-solving.

Student Learning Outcome

Demonstrate radiation therapy specific behaviors and norms, as well as the ability to work effectively in an interdisciplinary/ interprofessional team in clinical decision-making and ethical problem-solving.

Competency

Professional Knowledge and Skills

Student Learning Outcome

Demonstrate the ability to identify situations that compromise safety and participate in risk reduction and continuous quality improvement

Student Learning Outcome

Demonstrate competence in the core knowledge, skills, and practices as defined by degree programs and relevant professional licensing and credentialing boards.

Student Learning Outcome

Demonstrate the ability to identify situations that compromise safety and participate in risk reduction and continuous quality improvement

Student Learning Outcome

Operate ionizing-radiation producing equipment, and recognize any inconsistencies or malfunctions, and apply radiation safety practices to safely deliver an approved treatment plan for quality care.

Student Learning Outcome

Operate ionizing-radiation producing equipment, and recognize any inconsistencies or malfunctions, and apply radiation safety practices to safely deliver an approved treatment plan for quality care.

Student Learning Outcome

Demonstrate the ability to identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Demonstrate the ability to identify and define problems, critically compare options, make timely decisions or recommendations, identify uncertainties and use findings to improve outcomes in light of evolving evidence.

Student Learning Outcome

Apply foundational knowledge of ethics, physics, anatomy, & physiology and oncology in the review and verification of all approved treatment plans, instructions, prescriptions and imaging, to ensure that the information is consistent and valid before delivering any radiation therapy treatment.

Student Learning Outcome

Apply foundational knowledge of ethics, physics, anatomy, & physiology and oncology in the review and verification of all approved treatment plans, instructions, prescriptions and imaging, to ensure that the information is consistent and valid before delivering any radiation therapy treatment.

Student Learning Outcome

Demonstrate competence in the core knowledge, skills, and practices as defined by degree programs and relevant professional licensing and credentialing boards.

Competency

Teamwork

Student Learning Outcome

Work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.

Student Learning Outcome

Work effectively within collaborative, team- or teaming-based interprofessional environments while acknowledging positionality and intentionally making space for diverse perspectives.
