### Department/Academic Unit:  School of Nursing, Doctoral (PhD)

Degree Level Expectations, Learning Outcomes, Indicators of Achievement and the Program Requirements that Support the Learning Outcomes

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<th>Expectations (general descriptors from OCAV)</th>
<th>Doctoral level Competencies</th>
<th>Learning Outcomes (program specific)**</th>
<th>Relevant Courses and academic requirements</th>
<th>Indicators of Achievement As evidenced by...</th>
<th>Transferable Skills</th>
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<td>Depth and breadth of knowledge</td>
<td>A thorough understanding of how transitions, as a meta paradigm, provide a useful starting point to comprehend nursing phenomenon.</td>
<td>1) The ability to differentiate between the main philosophical traditions in western knowledge development. 2) Integration of major philosophical traditions into the world views espoused by nursing scientists. 3) The ability to trace philosophical stances through qualitative and quantitative research traditions. 4) The critique of major issues relevant to Canada through meta paradigms. 5) The construction and conceptualization of transitions as a meta paradigm in nursing knowledge. 6) Comprehension of methodological issues relative to the research topic.</td>
<td>Requirements: NURS 900 NURS 901 NURS 902 NURS 903 Option course -NURS 905 NURS 906</td>
<td>1) Successful completion of two short papers and a major paper in NURS 901. 2) Successful completion of qualitative paper assignments in NURS 902. 3) Successful completion of statistical analyses assignments in Nurs 903. 4) Contribution in class and successful completion written assignments in NURS 903. 5) Successful completion of major policy analysis paper relevant to nursing in NURS 905. 6) Significant contribution to discussion in NURS 906 seminar.</td>
<td>Cogent articulation of an argument. Appreciation of multiple viewpoints. In-depth knowledge and critical understanding of their substantive area of inquiry.</td>
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| Research and scholarship | The ability to advance the discipline of nursing and nursing practice through the rigorous generation of knowledge using a variety of scientific methods. The ability to produce original research to satisfy peer review and to merit publication. | 1) Critical appraisal of research from problem to question to design selection. 2) Justification and use of appropriate descriptive, bivariate, and multivariate analytic techniques. 3) The creation of a manuscript suitable for publication in a peer reviewed journal. 4) The ability to propose the appropriate qualitative design based on a researchable question and research tradition. 5) The development of an original, feasible, and fundable quantitative study. | Requirements: NURS 900 NURS 902 NURS 903 NURS 906 Dissertation requirement, including proposal defense and dissertation defense. | 1) Successful completion of quantitative research manuscript that incorporates SPSS analysis from NURS 900. 2) Successful completion of a qualitative research proposal in NURS 902. 3) Successful completion of a quantitative research proposal in NURS 903. 4) Ability to articulate to peers various approaches to research problems, including design and analysis in NURS 906. 5) Successful defense of research proposal. 6) Successful defense of doctoral dissertation. | Rigorous evaluation and critical analysis of scholarly and scientific literature. Independent and creative thinking in developing new understandings of existing knowledge. Ability to conduct a constructive peer evaluation of scholarship, including grant proposals and research articles submitted for publication. Ongoing scholarly productivity. |
| Application of Knowledge | The ability to test, generate and extend knowledge relevant to nursing science upon which the practice of nursing is based. | The ability to test, generate and extend knowledge relevant to proposed thesis topic.  
2) Ease in comparing, contrasting, and selecting optimal research designs and methods relevant to research questions and hypotheses.  
3) Application of the policy process to issues addressed by professional and health care organizations.  
4) The ability to design an organizational or public policy proposal that responds to a health care or nursing issue in Canada. | The ability to defend the world view relevant to proposed thesis topic.  
2) Ease in comparing, contrasting, and selecting optimal research designs and methods relevant to research questions and hypotheses.  
3) Application of the policy process to issues addressed by professional and health care organizations.  
4) The ability to design an organizational or public policy proposal that responds to a health care or nursing issue in Canada. |
| Requirements: | NURS 900  
NURS 901  
NURS 902  
NURS 903  
Option course - NURS 905  
NURS 906  
Comprehensive Exam Research Proposal  
Dissertation work |  
Successful completion of written comprehensive examination.  
2) Quality of dissertation proposal and successful defense.  
3) Ability to independently conduct research for dissertation.  
4) Application of evidence-based literature to clinical tools and practice guidelines.  
5) Successful completion of policy analysis paper in NURS 905. |  
Successful completion of written comprehensive examination.  
2) Quality of dissertation proposal and successful defense.  
3) Ability to independently conduct research for dissertation.  
4) Application of evidence-based literature to clinical tools and practice guidelines.  
5) Successful completion of policy analysis paper in NURS 905. |
| Opportunities: | 1) TA, Teaching Fellow, RA opportunities | Opportunities: | Opportunities:  
1) Attendance in School of Nursing (SON) Academic Series  
2) Conference attendance  
3) Internal/external awards (e.g. CIHR, CNF, Heart & Stroke).  
4) Competitive scholarships.  
5) Completed systematic reviews. |  
Successful completion of written comprehensive examination.  
2) Quality of dissertation proposal and successful defense.  
3) Ability to independently conduct research for dissertation.  
4) Application of evidence-based literature to clinical tools and practice guidelines.  
5) Successful completion of policy analysis paper in NURS 905. | Sound methodologies for knowledge discovery and knowledge generation. |
| Professional capacity /autonomy | Effect change within the healthcare system through leadership and participation within the nursing profession. Engagement in multidisciplinary research for the advancement of nursing and health sciences. | 1) Exercise of initiative and personal accountability; 2) Intellectual independence required for continued professional nursing development; 3) Ethical behaviour consistent with academic integrity, and research conducted with humans; 4) The potential for leadership in nursing and with interdisciplinary teams through scholarship and collaborative activities. 5) An appreciation of the role of researcher in knowledge synthesis and exchange. 6) Influence health or nursing policy as a member of the profession or a member of an organization. 7) Collegial support and sharing of materials with peers for collective learning in class. | Requirements: NURS 900 NURS 901 NURS 902 NURS 903 Option course - NURS 905 NURS 906 SGS 804 Opportunities: 1) Participation in university committees. 2) External professional activities. | 1) Timely completion of course assignments. 2) Completion of program within suggested time frame. 3) Completion of SGS 804. 4) Ethical approval of research proposal and ethical conduct throughout research process. 5) Professional honours/awards. Opportunities: 1) Leadership roles of students while in the program, and upon completion. | Understanding of process of research ethical review. Increased capacity for leadership in profession and in research endeavours. Leadership in building capacity, policy development, and creating change within healthcare systems. |
| Communication Skills | The ability to communicate complex and/or ambiguous ideas, issues and conclusions clearly and effectively | 1) Skill in discussing, debating and presenting ideas in a scholarly manner in seminars. 2) Constructive critique to peers/colleagues during class and seminar discussions. | Requirements: NURS 900 NURS 901 NURS 902 NURS 903 NURS 905 NURS 906 | 1) Skilled, and articulate class presentations. 2) Completed internal presentations. 3) Completed external presentations. | Enhanced presentation skills. Ability to provide rationale and defend positions. |
| Awareness of limits of knowledge | Scholarly presentations of course-work and thesis development. 
4) Expert use of citation styles (e.g. APA) in written work. | Public Oral Proposal defense 
Oral defense of thesis 
**Opportunities:** 
Presentations at SON Academic Series | **Opportunities:** 
Presentation of research work in School of Nursing (SON) Academic Series |
|---|---|---|---|

| 1) The ability to use theoretical perspectives from nursing and other disciplines to interpret findings from research thesis. 
2) An appreciation for the opportunities to collaborate with other disciplines in using large databases (e.g. ICES - Institute). | Requirements: 
NURS 900 
NURS 901 
NURS 902 
NURS 903 
NURS 906 
Option course – NURS 905 
SGS 804 
**Opportunities:** 
1) Participation in university seminars outside SON | 1) Thorough and consistent critique of evidence throughout coursework and scholarly endeavours. 
2) Articulation of the limitations of one’s own thesis work in terms of procedures, methods, analysis, and generalizability. 
3) Completion of SGS 804. 
4) Participation in University interdisciplinary scholarly activities (e.g. exposure to ICES, large databases in NURS 903). |

| Insight into personal research abilities and strengths, as well as limitations. |