<table>
<thead>
<tr>
<th>Specific Classes/General Content Areas in BSN Curricula</th>
<th>Appropriate Environmental Health Content</th>
<th>Teaching Strategies and Resources (ex. readings, questions, assessments, research articles, power points, etc. What might we suggest for strategies)</th>
<th>Competencies from</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSIDER ADDING A COURSE OBJECTIVE OR PART OF OBJECTIVE TO ENCOURAGE FACULTY TO INCLUDE IT</td>
<td>Define Environmental Health risks</td>
<td>Questionnaire</td>
<td>Bold objectives below are from ANA (2010) Scope and standards of practice: Nursing.</td>
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<tr>
<td>Stethoscope (cleaning)</td>
<td>Conduct an environmental health history with the parent/caregiver of a child using interview questions: <a href="http://www.atsdr.cdc.gov/csem/pediatric/appendixc.html">http://www.atsdr.cdc.gov/csem/pediatric/appendixc.html</a></td>
<td></td>
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<tr>
<td>Health Assessment</td>
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- **Attains knowledge of EH concepts, such as implementation of EH strategies.**
- **Promotes a practice environment that reduces environmental health risks of workers and healthcare consumers.**
- **Applies knowledge of basic EH concepts to nursing assessment, prevention, and control strategies.**
- **Promotes a healthy environment that respects the diverse values, beliefs, cultures, and**

<p>| | | Attains knowledge of EH concepts, such as implementation of EH strategies. Participates in strategies to promote healthy communities. (Here consider workplace and professional communities.) |</p>
<table>
<thead>
<tr>
<th>Research/Evidence-Based Practice</th>
<th>Health disparities</th>
<th>NINR Research Agenda: (Promoting Health and Preventing Disease; check Areas of Research Emphasis)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Evidenced based project based on environmental influences on human health</td>
<td>ANHE Research workgroup</td>
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<td>EH Practice—then looking at related nursing research(for many areas no nursing research will be found, so there is a gap)</td>
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<td></td>
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<td>Look at evidence</td>
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<td>Look at controversies and research and debate each side. What is your stand on this based on evidence? Opinion paper. i.e. Climate change</td>
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<td></td>
<td>How issues are presented by popular media?</td>
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<td></td>
<td></td>
<td>“An analysis of the evidence”</td>
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<tr>
<td>Pharmacology</td>
<td>Distinguish pharmacology and toxicology</td>
<td>Check BSN Essentials</td>
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<td></td>
<td>Attains knowledge of environmental health concepts, such as implementation of environmental health strategies.</td>
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<td></td>
<td></td>
<td>Utilizes scientific evidence to determine if a product or treatment is a potential environmental threat.</td>
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<tr>
<td></td>
<td></td>
<td>Utilizes scientific evidence and is guided by the precautionary principle.</td>
</tr>
</tbody>
</table>
| Community/Public Health Nursing | Participates in strategies to promote healthy communities.  
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Home assessments for environmental hazards  
Integrated pest Management (IPM)  
Occupational Health  
Healthy Schools  
Sustainable air, water, land  
Climate change and health  
Disposal of prescription medications | Assesses the practice environment for factors such as sound, odor, noise and light that negatively affect health.  
Incorporates environmental risk factors across the lifespan when assessing individuals, families, and/or communities.  
Promotes a practice environment that reduces environmental health risks of workers and healthcare consumers.  
Applies knowledge of basic EH concepts to nursing assessment, prevention, and control strategies.  
Collaborates with others |
| Assess household products for ingredients that can have human health effects after viewing the U.S. Department of Health and Human Services Household Products data base.  
http://householdproducts.nlm.nih.gov/  
Integrated Pest Management  
http://www.epa.gov/pesticides/factsheets/ipm.htm  
Integrated pest management in schools  
http://www.epa.gov/opp00001/ipm/  
Healthy Schools  
http://www.epa.gov/iaq/schools/index.html  
Anticipate the health effects of climate change on a local community.  
Explore an environmental health policy issue and develop a position.  
Check the internet to see if your local or state health department has a division of environmental health; describe what it does and what professionals are employed.  
Conduct a windshield survey of environmental hazards in a community after viewing The National Library of Medicine’s ToxTown  
http://toxtown.nlm.nih.gov/  
Complete the Agency for Toxic Substances and Disease Registry’s (ATSDR) on-line module, A primer on health risk communication. (Especially select the section entitled “Issues and Principles.”) |  
Utilizes scientific evidence to determine if a product or treatment is a potential environmental threat. |
| Public health emergencies  
Public health policy: Advocacy campaigns  
Govt. testimony |  
Applies knowledge of basic EH concepts to nursing assessment, prevention, and control strategies.  
Collaborates with others |
| Social Justice Environmental Justice | http://www.atsdr.cdc.gov/HEC/primer.html | to create and implement strategies that promote health environments. **Communicates EH risks and exposure reduction strategies to health care consumers, families, colleagues and communities.**

Promotes one’s right to know about potentially harmful products, chemicals, pollutants and hazards to which people may be exposed.

Uses scientific evidence and is guided by the precautionary principle.

Advocates for healthy environments that include issues associated with air, water, soil, food/agriculture, the built environment,


Advocates for environmental justice, including commitment to the health of vulnerable populations and the eliminator of health disparities (AACN 2008, Baccalaureate Competencies, page 25, line 12).

Incorporate environmental health information, including national bio-monitoring of human exposure to environmental chemicals, into assessment of...
| Leadership/Trends/Advocacy/Policy (senior level) | Resources management for budget Occupational hazards Regulatory issues-Sustainable practices Impact of leader across team of costs Build on BSN Essentials Risk Reduction Impact of economy on environmentally conscious decisions; Environmental scan—inadequate workforce >increased errors; Promote sustainable hospital environments; Safe hospitals—assess workplace exposures and ways to reduce and prevent exposures; Regulatory environment | Consider an assignment where the student needs to look at what makes a good work environment and what makes a good leader: Authentic Leaders Creating, Healthy Work Environments for Nursing Practice, Nursing leaders who have made changes AACN Journal article Authentic Leaders Creating Healthy Work Environments for Nursing Practice. (available online@no cost) Nursing leaders who have influenced environmental health, safety. Leader Denise Choiniere [http://envirn.org/pg/groups/13/working-the-green-shift/](http://envirn.org/pg/groups/13/working-the-green-shift/) Case studies of RNs who have seen problems and worked to change [www.luminaryproject.org](http://www.luminaryproject.org) Evaluate organizational policy related to greening of hospitals. Pharmaceutical waste and budget implications [http://noharm.org/us_canada/issues/pharmaceuticals/#preventing](http://noharm.org/us_canada/issues/pharmaceuticals/#preventing) | Collaborates with others to create and implement strategies that promote health environments. Attains knowledge of EH concepts, such as implementation of EH strategies. Promotes a practice environment that reduces environmental health risks of workers and healthcare consumers. Applies knowledge of basic EH concepts to nursing assessment, prevention, and communities and populations. |
| Team buy in ANA Standards of Practice | control strategies.  
| Environmental Activism-Tracing our history | Assesses the practice environment for factors such as sound, odor, noise and light that negatively affect health.  
| Pharmaceutical waste issues | Reduces environmental health risks in the health care setting (chemical, biological, radiological [and mechanical] )  
|  | Utilizes scientific evidence to determine if a product or treatment is a potential environmental threat.  
|  | Advocates for the judicious and appropriate use of products |
used in health care. Communicates environmental risks and exposure reduction strategies to health care consumers, families, colleagues and communities.

Promotes a healthy environment that respects the diverse values, beliefs, cultures, and circumstances of patients, their families and communities.

Adapted from BSN and AD documents
2/22/13