

Nursing 3160: Expert Systems and Artificial Intelligence

STUDENT NAME: _____

1. In your own words, write down what it means to be an "Expert Nurse". How would you distinguish between a Novice Nurse and an Expert Nurse?

2. From your understanding of how data is processed into information, then integrated into knowledge, which hopefully, leads to wisdom, create a diagram, schema or flowchart that outlines the parallels and contrasts between:
 - a) The decision making processes of an Novice Nurse.

 - b) The decision making processes of an Expert Nurse.

 - c) The decision making processes facilitated by the use of a Nursing Expert System.

3. Consider the abilities of "Alan" on the AI Research site. What would it take to create an interactive program that would actually be valuable to nurses in practice and./or education?

4. Blair (2004) described a simple artificial intelligence system (life coach) which incorporates caring nursing behavioural attitudes within its programming. What thoughts come up for you when you consider these initial attempts to mirror nursing care within an AI program? How does this reflect on nursing?