

# Applying human factors to healthcare organisations



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*Northumbria University has an excellent reputation for providing innovative, flexible and wide ranging professional learning and workforce development for those working in the caring professions. Building on extensive scoping of the needs of the workforce in relation to Patient Safety we have designed a master's level module in Human Factors.*

## MODULE DELIVERY:

The module provides the opportunity to study in depth the underpinning Human Factors which threaten safety and performance in healthcare. The theory and literature supporting Human Factors in healthcare will be examined in depth over four, consecutive, weekly sessions and understood in the context of case studies that exemplify the sometimes catastrophic consequences of error. How the module content applies to individual practice will be an important focus. The teaching and learning strategies will reflect the academic level of the module and this will be utilised to support and develop an understanding of Human Factors science as it applies to practice.

The summative assessment is done via a reflective portfolio allowing participants to demonstrate their development. The learning objectives aim for participants to:

1. Demonstrate a critical understanding of Human Factors that impact healthcare; reviewing contemporary literature and the underpinning theories and research.
2. Critically analyse and reflect on Human Factors in course participants own practice and workplace.
3. Critically explore the Human Factors implications of exemplar events / incidents and reflect on their implications to healthcare.

4. Critically discuss the relationship between Human Factors, individual and team performance and patient safety.

## APPLICATION PROCESS:

Further information is available from our Programme Support Office:

**Tel 0191 2156222**

Department of Public Health and Wellbeing  
Faculty of Health and Life Science

## PROGRAMME LEADER:

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## Developing Skills in Healthcare Simulation



# Developing Skills in Healthcare Simulation

*Northumbria University has an excellent reputation for providing innovative, flexible and wide ranging professional learning and workforce development for those working in the caring professions. Building on extensive scoping of the needs of the workforce we have designed both a degree and masters level modules in simulation based education (SBE).*

## MODULE DELIVERY:

The aim of these modules are to provide students with the opportunity to study SBE as a learning and teaching methodology exploring scenario design, delivery of scenarios and simulation sessions, debriefing, patient safety strategies, and programming simulators. The teaching and learning strategies will reflect the academic level of the module and this will be utilised that will support the student in the development of their role in SBE. The modules are summatively assessed via reflective portfolio that allows students to demonstrate their simulation practice development. The learning objectives include:

1. Critically appraise relevant simulation as a learning and teaching methodology.
2. Advance their skills, knowledge and understanding of simulation as a learning and teaching methodology, whilst critically reflecting on their personal development
3. Demonstrate effective and efficient simulation design, delivery, and debriefing in a variety of contexts.
4. Demonstrate the ability to engage with a variety of simulation methodologies that are underpinned by educational theories and critically evaluating their use in a variety of contexts
5. Critically evaluate current simulation related educational research and demonstrate a critical awareness of its application in a variety of higher education and practice contexts

## APPLICATION PROCESS:

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Department of Public Health and Wellbeing  
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## MODULE LEADER:

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