Course Information

Dr. Jing Gao

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About this course -Aim

- Big Data concepts
- Big data architectures
- Big Data analytics
- Big Data initiatives
- Applications

University of South Australia

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About this course - Objectives

- Non-relational databases
- Hadoop ecosystem
- Data storage architectures
- Business case for effective use of Big Data

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Delivered fully hybrid

- Flexible learning:
  - Workshops to attend in person
  - Online resources and activities
  - Online forums
  - Hybrid drop-in practical sessions

4

Learning resources online

- No textbook – rapidly changing field
- Resources for required reading/viewing when the topic is made available
- Research papers, white papers, media articles, websites, blogs and videos

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Learning resources online

Custom recordings

- Concepts, tools or method demos
- Real world Big Data problems and opportunities

Practical tasks

- Set up of software tools on your own computer
- Hands on experience with Big Data tools and technologies

Online activities

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Assessment tasks

- Assignment 1 – Technology Review (30%)
- Assignment 2 – Big Data Strategy Proposal (50%)

- Continuous Assessment (20%)
- Three tests linked to practical work

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Academic Integrity Matters!

- Referencing:
  - Harvard referencing style
  - Good quality, recent references (last 5 years)
  - Reference all sources of information you use
  - Paraphrase appropriately
- Plagiarism will not be tolerated.