



Faculty of Engineering

**School of Minerals and Energy Resources Engineering**

Postdergraduate Course Outline

**PTRL5107**

**Petrophysics**

**Dr Hamid Roshan**

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## 1. INFORMATION ABOUT THE COURSE

Course Code: PTR5107    Term    T2    Level: PG

### 1.3. Assumed Knowledge

Prerequisite: N/A

### 1.4. Attendance

### 3.3. Other Resources (if applicable)

- Bateman, R, Log Quality Control, 1984.  
Bateman, R M, Open Hole Log Analysis and Formation Evaluation, International Human Resources Development Corporation, Boston, 1985.  
British Petroleum Co Ltd, Our Industry Petroleum, Jarrold & Sons, Norwich, 1977.  
Clark, N, Elements of Petroleum Reservoirs, SPE Series, 1960.  
CoreLab, Fundamentals of Core Analysis, 1973.  
Desbrandes, R, Encyclopedia of Well Logging, 1985.  
Dewan, J, Essentials of Modern Open Hole Logging, 1983.  
Dresser Atlas, Well Logging and Interpretation Techniques, 1982.  
Dresser Atlas, Log Interpretation Charts, 1985.  
Helander, D, Fundamentals of Formation Evaluation, 1983.  
Hilchie, D, Applied Open Hole Log Operations, 1982.  
Lynch, E, Formation Evaluation, 1962.  
Pirson, S, Geologic Well Log Analysis. Schlumberger, Log Interpretation Principles/Applications, 1989  
Schlumberger, Log Interpretation Charts, 1995.  
Stokes, W L, Essentials of Earth History, PrenticeHall Inc., Englewood Cliffs, NJ, 1960.

### 3.4. Online Resources

Society of Petroleum Engineers:

<http://www.spe.org>

Ae0 Tc 0 Tre f5 0 Tc 0 Tw 0.7c 0 Tc 1 Tw 0.52.3Tc 0 Tw ie





## 5. COURSE ASSESSMENT

### 5.1. Assessment Summary

The course will have an assignment project, mid-term and final exam.

It is essential that you have access to a PC or notebook computer. Mobile devices such as smart phones and tablets may complement learning, but access to a PC or notebook computer is also required. Note



We ask that you please contact the Course Convenor immediately once you have completed the special consideration application, no later than one week from submission.

More details on special consideration can be found at [www.student.unsw.edu.au/special-consideration](http://www.student.unsw.edu.au/special-consideration)

## 7.8. Course Results

For details on UNSW assessment policy, please visit: [www.student.unsw.edu.au/assessment](http://www.student.unsw.edu.au/assessment)

In some instances, your final course result may only be available on the UNSW website.



Course Convenor: \_\_\_\_\_  
Course Code: \_\_\_\_\_ Course Title: \_\_\_\_\_  
Assignment: \_\_\_\_\_  
Due Date: \_\_\_\_\_  
Student Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

ACADEMIC REQUIREMENTS

Before submitting this assignment, the student is ~~asked~~ to review:

- the assessment requirements contained in the briefing document for the assignment;
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