



The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

METALLURGICAL ENGINEERING
COURSE EQUIVALENTS
1998 Edition

Note: No Metallurgical Engineering courses are offered at the University of Calgary.
The list below is for the University of Alberta.

University of Alberta

- 98-MET-A1 Metallurgical Thermodynamics**
MET E 340 Metallurgical Thermodynamics & Kinetics
- 98-MET-A2 Metallurgical Rate Phenomena**
CH E 312 Fluid Mechanics
&
CH E 314 Heat Transfer
&
MATE 440 Kinematics and Mass Transfer
- 98-MET-A3 Metal Extraction Processes**
MATE 331 Mineral Processing I
&
MATE 332 Pyrometallurgy
&
MATE 430 Hydrometallurgy & Electrometallurgy
- 98-MET-A4 Structure of Materials**
MATE 256 Materials Engineering II
&
MATE 357 Fundamentals of Physical Metallurgy
- 98-MET-A5 Mechanical Behaviour and Processing and Performing of Materials**
MATE 358 Mechanical Metallurgy and Electronic Materials
&
MATE 452 Applications of Physical Metallurgy
- 98-MET-A6 Thermal Treatment of Metals and Alloys**
MATE 452 Applications of Physical Metallurgy
&
MATE 358 Mechanical Metallurgy and Electronic Materials

98-MET-B1 MATE 553	Mineral Processing Mineral Processing II
98-MET-B2 MATE 430	Hydrometallurgy Hydrometallurgy and Electrometallurgy
98-MET-B3 MATE 332	Iron and Steelmaking Pyrometallurgy
98-MET-B4 MATE 332 & MATE 430	Non-Ferrous Extractive Metallurgy Pyrometallurgy Hydrometallurgy and Electrometallurgy
98-MET-B5 MATE 555	Metal Fabrication Special Topics in Metal Processing
98-MET-B6 MATE 357 & MATE 452	Physical Metallurgy of Iron and Steel Fundamentals of Physical Metallurgy Applications of Physical Metallurgy
98-MET-B7 MATE 452	Physical Metallurgy of Non-Ferrous Metals and Alloys Applications of Physical Metallurgy
98-MET-B8 MATE 480	Ceramic Materials Ceramic Materials
98-MET-B9 MATE 467	Polymers and Fibre-Reinforced Polymers Polymers and Fibre Reinforced Polymers
98-Met-B10 MATE 345	Corrosion Control Corrosion and Oxidation

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