NOTE: Please feel free to use the most recent edition of textbooks referenced in this list

NOTA: Utilisez l'édition la plus récente des manuels cités dans cette liste.

### 18-MMP-A1 General Geology and Exploration

Kehew, A. E., *General Geology for Engineers*, 3<sup>rd</sup> Edition, Prentice Hall Canada Inc., Scarborough, Ontario, 2006.ISBN-10:0131457306. ISBN-13:9780131457300.

Peters, William C., Exploration and Mining Geology, 2<sup>nd</sup> Edition, Wiley and Sons, 1987.

Moon, C.J. et al, *Introduction to Mineral Exploration*, 2<sup>nd</sup> Edition, Blackwell, 2006.

### 18-MMP-A2 Underground Mining Methods and Design

Hartman, H. L., *Introductory Mining Engineering*, 2<sup>nd</sup> Edition, J. Wiley, New York, N.Y., 2003.

Hustrulid, W.A. and Richard L. Bullock (ed.), *Underground Mining Methods: Engineering Fundamentals and International Case Studies*, SME, Littleton, CO, 2001.

Gertsch, R.E. and R.L. Bullock (Ed.), Techniques in Underground Mining, SME, Littleton, CO, 1998.

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Mular, A.L. & R. Poulin, *CAPCOSTS- A Handbook for Estimating Mining and Mineral Processing Equipment Costs and Capital Expenditures and Aiding Mineral Project Evaluations, Special Volume 47*, CIM, Montréal, 1998, 319 p.

# 18-MMP-A3 Mineral Processing

Wills, Barry and James A. Finch, *Mineral Processing Technology*, 8<sup>th</sup> edition, Butterworth Heinmann, 2016, 498 p.

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Canadian Milling Practice, Special Volume 49, CIM, Montreal, 2000.

#### 18-MMP- A4 Mine Valuation and Mineral Resource Estimation

Runge, I.C., Mining Economics and Strategy, SME, Littleton, CO, 1998.

Isaaks, E.H. and R.M. Srivastava, *An Introduction to Applied Geostatistics*, Oxford University Press, 1990

Gocht, W.R., H. Zantop and R. G. Eggert, International Mineral Economics, Springer-Verlag, 1988.

Vogely, W.A. (Editor), Economics of the Mineral Industries, 4th edition, SME, Littleton, CO, 1985.

Hartman, H. L. (Editor), *SME Mining Engineering Handbook*, 2<sup>nd</sup> edition, Vol I & II. SME Littleton, CO., 1992, 2394 pp (Chapters 5.6 & Chapter 6).

Canadian Mining Taxation, latest edition, Price Waterhouse, Toronto.

#### 18-MMP-A5 Surface Mining Methods and Design

Kennedy, B.A. (Editor), Surface Mining, 2<sup>nd</sup> edition, SME Littleton, CO., 1990, 1206p.

Hartman, H. L., Introductory Mining Engineering, 2<sup>nd</sup> edition, J. Wiley, New York, N.Y., 2003.

Mular, A.L. & R. Poulin, *CAPCOSTS- A Handbook for Estimating Mining and Mineral Processing Equipment Costs and Capital Expenditures and Aiding Mineral Project Evaluations, Special Volume 47*, CIM, Montréal, 1998, 319 p.

#### 18-MMP-A6 Mining and the Environment

Vick, S.G., *Planning, Design, and Analysis of Tailings Dams*, BiTech Publishers Ltd., Richmond, BC, reprinted 2005. ISBN: 0-921095-12-0.

Bell, Fred and Laurence Donnelly, *Mining and its Impact on the Environment*, Routledge, 2006. ISBN: 0-315-28644-1.

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Lottermoser, Bernd G., *Mine Wastes: Characterization, Treatment and Environmental Impacts,* Springer, Berlin, New York, 2003. ISBN: 3540005269.

Van Zyl, Dirk, Marshall Koval, Ta M. Li (eds.), *Risk Assessment/Management issues in the Environment*, SME, 1992. ISBN: 0-87335-115-0.

Jambor, J.L., D.W. Blowes & AIM Ritchie, *Environmental Aspects of Mine Wastes*, Mineralogical Association of Canada. ISBN: 0-921294-31-x.

Azcue, José M. (ed.), *Environmental Impacts of Mining Activities: Emphasis on Mitigation and Remedial Measures*, Springer, Berlin, New York, 1999. ISBN: 3540643443.

### 18-MMP-B1 Applied Rock Mechanics

Wyllie D.C. 2017. Rock Slope Engineering - Civil Applications. CRC Press, 5<sup>th</sup> edition, 620 pages.

Brady, B.H.E. and E.T. Brown 2006. Rock Mechanics for Underground Mining. Springer, 3<sup>rd</sup> edition, 646 pages.

SME Mining Engineering Handbook 2011. Edited by Peter Darling. Society for Mining, Metallurgy, and Exploration, 3<sup>rd</sup> edition, pages 1984.

# 18-MMP-B2 Rock Fragmentation

Hustrulid, W., Blasting Principles for Open Pit Mining, Volume 1, General Design Concepts, and Volume 2, Theoretical Foundations, A.A. Balkema, 1999.

Siskind, D.E., Vibrations from Blasting, International Society of Explosives Engineers, 2000.

Persson, P.A., R. Holmberg, and J. Lee, *Rock Blasting and Explosives Engineering*, 1993. ISBN 084938978X

# For OIQ in Quebec:

Quebec Government, *Regulations respecting occupational health and safety in mines*, S-2.1, r. 19.1, 56 p., 1996.

Quebec Government, Regulations respecting pits and quarries, Q-2, r. 2, 56 p., 1985.

### 18-MMP-B3 Material Handling

*Belt Conveyors for Bulk Materials,* 4<sup>th</sup> Edition, Published by Conveyor Equipment Manufacturers Association, 1994.

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Bise, C.J., Mining Engineering Analysis, Chapter 8, SME Inc., 1986.

Caterpillar Performance Handbook, 2003, Edition 34.

Das, B.M., *Principles of Geotechnical Engineering*, 2<sup>nd</sup> Edition, Chapter 2, PWS-KENT Publishing Company, 1990.

Stanley, W.W., Mine Plant Design, 2<sup>nd</sup> Edition McGraw-Hill Inc., London, 1949.

Kennedy, Bruce A., Editor, Surface Mining, 2<sup>nd</sup> Edition, SME Inc., 1990, pp. 672-723.

*Underground Mining Methods Handbook*, SME Inc., 1982. Section 5 – Loading and Haulage – Chapter 8, pp. 1227-1266.

Vertical Shaft Mining and Aerial Tramways, Wire Rope Industries Ltd, 1994.

Occupational Health and Safety - Mines and Quarries, Government of Quebec Publication 2004.

### 18-MMP-B4 Occupational Health, Safety and Loss Management

Hartman, H.L.,and others, *Mine Ventilation and Air Conditioning*, 2<sup>nd</sup> edition, John Wiley and Sons Inc., 1982.

McPherson, M.J., Subsurface Ventilation & Environmental Engineering, Chapman & Hall, 1993.

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Provincial Mine Regulations (for Province of Registration).

Laird Wilson, *Basic Learnings in Industrial Safety and Loss Management*, APEGGA, Edmonton, 1998, 72 p.

### 18-MMP-B5 Mill Design and Operations

Mular, A.L., D.N. Halbe, and D.J. Barratt, *Mineral Processing Plant Design*, Practice and Control. Volumes 1 and 2, SME, Littleton, CO, 2002, 2410 p.

A.L. Mular & R. Poulin, *CAPCOSTS - A Handbook for Estimating Mining and Mineral Processing Equipment Costs and Capital Expenditures and Aiding Mineral Project Evaluations, Special Volume 47.* CIM, Montréal, 1998, 319 p.

#### 18-MMP-B6 Mill Process Control

Seborg, D.E., T.F. Edgar, and D.A. Mellichamp, *Process Dynamics and Control*, 2<sup>nd</sup> Edition, Wiley, 2004, 736 p. ISBN: 0-471-00077-9.

Considine, D.M. (ed), *Process Instruments and Controls Handbook*, 5<sup>th</sup> edition, McGraw-Hill, New York, 1999.

P.G. Claridge (ed.), *Operation and Maintenance in Mineral Processing Plants*, CIM, Vol.40, 1989, Section 9.

# 18-MMP-B7 Extractive Metallurgy (16-Chem-B7 Extractive Metallurgy)

Rosenqvist, T., Principles of Extractive Metallurgy, 2<sup>nd</sup> Edition. Tapir Academic Press, Trondheim.

2004. ISBN 82-519-1922-3

C. Bodsworth, *The Extraction and Refining of Metals*. CRC Press.

Moore, J. J., *Chemical Metallurgy*, 2<sup>nd</sup> edition, Butterworth-Heineman, 1993. ISBN: 0750616466.

# 18-MMP-B8 Mine Management and Systems Analysis

Sloan, D.A., Mine Management, Methuen Publications, Agincourt, Ontario, 1983.

Carmichael, D.C., Engineering Queues in Construction and Mining, Horwood, 1987.

Hickson, R.J. and Owen T.L., *Project Management for Mining*. SME Littleton, 2015. 664 pages. ISBN 978-87335-403-5

Darling, P. (Editor), *SME Mining Engineering Handbook*, Vol I & II, 3<sup>rd</sup> edition, SME Littleton, CO., 2011, 1984 p.

Johnston, R.B. and Barnes, R.J. (Editors), *Applications of Computers and Operations Research in the Mineral Industry*, SME, Littleton, CO, 1982.

Hicks, H.C., et al, *The Management of Organizations*, 4<sup>th</sup> edition, McGraw-Hill, Toronto, 1981.

Winston, W.L., *Operations Research*, 3<sup>rd</sup> edition, Duxbury Press, 1994.

Spinner, M., Elements of Project Management, Prentice Hall Inc., Englewood Cliff, N.J., 1981.

### 18-MMP-B9 Rock Slope Engineering

Hoek, E., and J.W. Bray, *Rock Slope Engineering*, 3<sup>rd</sup> Edition, Institution of Mining and Metallurgy, London, UK, 1981.

Mah, C., Taylor & Francis, Rock Slope Engineering: Civil and Mining, 5<sup>th</sup> Edition, 2004.

Lisle, R. J. and P.R. Leyshon, *Stereographic Projection Techniques for Geologists and Civil Engineers*, 2<sup>nd</sup> Edition, Cambridge University Press, 2006.