

09-MMP-A1 - General Geology and Exploration*Prime Texts:*

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

Peters, William C., Exploration and Mining Geology, 2nd Edition, Wiley and Sons, 1987.

Supplementary Text:

Moon, C.J. et al, Introduction to Mineral Exploration, 2nd Edition, Blackwell, 2006.

09-MMP-A2 – Underground Mining Methods and Design*Prime Texts:*

Hartman, H. L., Introductory Mining Engineering, 2nd 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.

Supplementary Texts:

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

Hartman, H.L. (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394 p (Vol. II, Part 4. Underground Mining, Sections 17 to 21).

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.

09-MMP-A3 - Mineral Processing*Prime Texts:*

Wills, Barry and Tim Napier-Munn, Mineral Processing Technology, 7th edition, Butterworth Heinmann, 2006, 456 p.

Supplementary Texts:

Hartman, H. L. (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394p (Chapter 25.3).

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

09-MMP- A4 - Mine Valuation and Mineral Resource Estimation*Prime Texts:*

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.

Supplementary Texts:

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, 2nd edition, Vol I & II. SME Littleton, CO., 1992, 2394 pp (Chapters 5.6 & Chapter 6).

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

09-MMP-A5 Surface Mining Methods and Design

Prime Texts:

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

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

Supplementary Texts:

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.

09-MMP-A6 - Mining and the Environment

Prime Texts:

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.

Supplementary Texts:

Hartman, H. L. (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394pp, (Chapter 12.1 - 12.3).

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.

09-MMP-B1 - Applied Rock Mechanics

Prime Texts:

Hoek, E. and Bray, J.N., Rock Slope Engineering, 3rd edition, Institution of Mining and Metallurgy, London, 1981.

Hoek, E. and Brown, E.T., Underground Excavations in Rock, Institution of Mining and Metallurgy, London, 1981.

Supplementary Texts:

Hartman, H. L., (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394 p. (Chapter 10).

Brady, B.H.E. and Brown, Rock Mechanics for Underground Mining, 2nd edition, E.T. George Allen and Unwin, London, 1993.

09-MMP-B2 - Rock Fragmentation*Prime Texts:*

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

Supplementary Texts:

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.

09-MMP-B3 - Material Handling*Prime Texts:*

Belt Conveyors for Bulk Materials, 4th Edition, Published by Conveyor Equipment Manufacturers Association, 1994.

Hartman, H.L. (senior editor), Mining Engineering Handbook, 2nd Edition, Society of Mining Engineers, Inc, 1992., Chapters 13 and 17.

Supplementary Texts:

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

Caterpillar Performance Handbook, 2003, Edition 34.

Das, B.M., Principles of Geotechnical Engineering, 2nd Edition, Chapter 2, PWS-KENT Publishing Company, 1990.

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

Kennedy, Bruce A., Editor, Surface Mining, 2nd 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.

09-MMP-B4 - Occupational Health, Safety and Loss Management*Prime Texts:*

Hartman, H.L.,and others, Mine Ventilation and Air Conditioning, 2nd edition, John Wiley and Sons Inc., 1982.

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

Supplementary Texts:

Hartman, H. L., (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394 p (Chapters 3.3 and 11).

Provincial Mine Regulations (for Province of Registration).

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

09-MMP-B5 - Mill Design and Operations

Prime Texts:

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.

09-MMP-B6 - Mill Process Control

Prime Texts:

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

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

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

09-MMP-B7 - Extractive Metallurgy

Prime Text:

Rosenqvist, T., Principles of Extractive Metallurgy, 2nd Edition. McGraw-Hill, 1983. ISBN: 0070665184.

Supplementary Text:

Moore, J. J., Chemical Metallurgy, 2nd edition, Butterworth-Heinemann, 1993. ISBN: 0750616466.

09-MMP-B8 - Mine Management and Systems Analysis

Prime Text:

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

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

Supplementary Text:

Hartman, H. L., (Editor), SME Mining Engineering Handbook, Vol I & II, 2nd edition, SME Littleton, CO., 1992, 2394 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, 4th edition, McGraw-Hill, Toronto, 1981.

Winston, W.L., Operations Research, 3rd edition, Duxbury Press, 1994.

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

09-MMP-B9 – Rock Slope Engineering

Prime Texts:

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

Mah, C., Taylor & Francis, Rock Slope Engineering: Civil and Mining, 4th Edition, 2004.

Supplementary Text:

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