

Recommended Text Books and References for New Course Curriculum & Syllabi:

Part – A

1) AME-101 : Materials Science:

- Material Science and Metallurgy for Engineers, V.D. Kodgire and S.V. Kodgire, Everest Publishing House, Pune (2003).
- Material Science and Engineering, 7th Edition, W.D. Callister Jr., John Willey & Sons (2006).
- Material Science and Engineering– A First Course, V. Raghavan, 4th Edition, Prentice Hall of India, New Delhi (2004).
- Material Science, S.L. Kakani and A. Kakani, 1st Edition, New Age International.
- Principles of Engineering Metallurgy, L. Krishna Reddy, New Age International, (1996).

2) AME–102 : Strength of Materials:

- Elements of Strength of Materials, 5th Edition, S. Timoshenko and D.H. Young, Affiliated EWP (1968).
- Strength of Materials, S.S. Rattan, McGraw-Hill Publication (2008).
- Strength of Materials, G.H. Ryder, Macmillan (1969).
- Strength of Materials, B.S. Basavarajaiah and P. Mahadevappa, Taylor & Francis (2010).
- Mechanics of Materials, E.P. Popov, Prentice Hall (1952).

3) AME–103 : Production Engineering:

- Production Technology, Vol. I and Vol. II, R.K. Jain, Khanna Publication (2001).
- A Text Book of Production Engineering, P.C. Pandey, C.K. Singh and Balbir Singh, Standard Publishers Distributors (1972).
- Production Technology Manufacturing Processes, Vol. I and Vol. II, O.P. Khanna and G.K. Lal, Dhanpat Rai Publications, New Delhi.
- Materials and Manufacturing Processes, E.P. Degarmo, J.T. Black and R.A. Kohser, Pearson.

4) AME–104 : Welding & Allied Processes – I:

- Welding Engineering and Technology, R.S. Parmar, Khanna Publishers, New Delhi.
- A Textbook of Welding Technology, O.P. Khanna, Dhanpat Rai Publication, New Delhi (1980).
- Welding Handbook, American Welding Society, Section-II : Gas Arc and Resistance.

- The Science and Practice of Welding, Vol-1 : Welding Science and Technology, Cambridge University Press.
- The Science and Practice of Welding, Vol-2 : The Practice of Welding : A.C. Davies, Cambridge University Press.
- Principles of Welding, Messler R.W., John Wiley & Sons (1999).
- Welding Technology for Engineers, 3rd Reprint, Eds. Baldev Raj, V. Shankar, A.K. Bhaduri, Narosa Publishing House, New Delhi (2009).

5) AME–105 : Welding Metallurgy of Steels:

- Welding Handbook, American Welding Society, Part-I: Fundamentals of Welding.
- Metallurgy of Welding, J.L. Lancaster, Wood head Publishing Ltd.
- Metals and Their Weld ability, Welding Handbook, Part-IV, American Welding Society.
- Welding Metallurgy, 2nd Edition, S. Kou, John Wiley & Sons (2003).
- A Textbook of Welding Metallurgy, O.P. Khanna, Dhanpat Rai & Sons (1980).
- Welding Metallurgy and Weld ability of Stainless Steels, Asian Edition, J.C. Leopold and D. Kotecki, John Wiley & Sons Ltd., New Delhi.

6) AME–106 : Economics of Welding and Fabrication:

- Managerial Economics and Financial Analysis, S. A. Siddiqui and A.S. Siddiqui, New Age International (2005).
- Engineering Economics, S.K. Poddar, The Association of Engineers, India Publication, Kolkata.

Part – B

1) AME–201 : Testing, Inspection and Quality Assurance:

- Introduction to Non Destructive Testing, P.E. Mix, John Wiley & Sons, New Jersey(2005).
- Practical Non Destructive Testing, Baldev Raj, T. Jaya Kumar and M. Tavasimuthu, Narosa Publishing House, New Delhi (1997).
- Introduction to Non Destructive Testing of Weld Joints, R. Halmshaw, Woodhead Publishing Ltd., Cambridge (1996).
- Metals Handbook, Vol.17, Non Destructive Evaluation and Quality Control, ASM International (1989).
- Fundamentals of Quality Control and Improvement, 3rd Edition, A. Mitra, John Wiley.
- Statistical Quality Control: A Modern Introduction, 6th Edition, D.C.Montgomery, Wiley India.
- Total Quality Management, 3rd Edition, P.M. Charantimath, Pearson India.

2) AME–202 : Welding Metallurgy of Non Ferrous Alloys, Dissimilar Welding and Cladding:

- Metallurgy of Welding, J.F. Lancaster, Woodhead Publishing Ltd.
- Metals and Their Weldability, Welding Handbook, Part-IV, American Welding Society.13
- Welding Metallurgy, 2nd Edition, S. Kou, John Wiley & Sons (2003).
- A Text book of Welding Metallurgy, O.P. Khanna, Dhanpat Rai & Sons, New Delhi (1980).
- Welding Metallurgy and Weldability of Stainless Steels, Asian Edition, J.C. Leopold and D. Kotecki, John Wiley & Sons, New Delhi.

3) AME–203 : Welding and Allied Processes – II:

- Welding Engineering and Technology, R.S. Parmar, Khanna Publishers, New Delhi.
- A Textbook of welding Technology, O.P. Khanna, Dhanpat Rai & Sons, New Delhi (1980).
- Welding Handbook, American Welding Society, Section-II: Gas, Arc and Resistance.
- The Science and Practice of Welding, Vol.1: Welding Science and Technology, Cambridge University Press..
- The Science and Practice of Welding, Vol.2: The Practice of Welding: A.C. Davies, Cambridge University Press.
- Principles of Welding, R.W. Messler, John Wiley & Sons (1999).
- Welding Technology for Engineers, 3rd Reprint, Baldev Raj, V. Shankar and A.K. Bhaduri, Narora Publishing House, New Delhi (2009).

4) AME–204 : Weldment Design, Welding Procedure and Its Applications:

- Welding Technology and Design, V.M. Radhakrishnan, 2nd Edition, New Age International.
- A Guide to Designing Welds, J.G. Hicks, Woodhead Publishing Ltd.

5) AME–205 : Occupational Health, Safety and Environmental Issues in Welding and Related Areas:

- Welding Health & Safety: A Field Guide for OSHE Professionals, M.K. Harris, AIHAPress Publication, USA (2002).
- Health and Safety in Welding and Allied Processes, J. Blunt and N.C. Balchin, Elsevier Publication (2002).
- Welding, D. Geary and R. Miller, 2nd Edition, McGraw Hill (2011).
- Welding and Metal Fabrication, L. Jeffus, Cengage Publication (2006).
- How to Weld, T. Bridigum, Motorbooks Publication (2008).
- Welding Principles and Application, L. Jeffus, Cengage Publication (1984).
- Safety for Welders, L. Jeffus, Cengage Publication (1980).
- Welding Essentials, Question and Answers, W. Galvery and F. Marlow, Industrial Press (2001).

- Welding Processes Handbook, 2nd Edition, K. Weman, Woodhead Publishing (2003).
- Hazardous Substances in Welding and Allied Processes (IIW Collection), V.E.S. Ciobanu, L. Costa and W. Zschiesche, Springer Publication (2020).
- Factories Act and BOCW Act- Relevant Sections.

6) AME–206 : Advanced Welding Technology:

- Welding Engineering and Technology, R.S. Parmar, Khanna Publishers, New Delhi.
- A Textbook of Welding Technology, O. P. Khanna, Dhanpat Rai & Sons, New Delhi (1980).
- Welding Handbook, American Welding Society, Section-II: Gas, Arc Resistance.
- The Science and Practice of Welding, Vol.1: Welding Science and Technology, Cambridge University Press.
- The Science and practice of Welding, Vol.2: The Practice of Welding: A.C. Davies, Cambridge University Press.
- Principles of Welding, R.W. Messler, John Wiley & Sons (1999).
- Welding Technology for Engineers, Baldev Raj, V. Shankar and A.K. Bhaduri, Narora Publishing House, New Delhi, 3rd Reprint (2009).