

# ME5622 - Structural Integrity and FEA

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Lecturer: Dr Rade Vignjevic

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Bathe, Klaus-Jürgen. 1982. Finite Element Procedures in Engineering Analysis. Englewood Cliffs: Prentice-Hall.

Beer, G., and J. O. Watson. 1992. Introduction to Finite and Boundary Element Methods for Engineers. Chichester: New York.

Burnett, David S. 1987. Finite Element Analysis: From Concepts to Applications. Reading, Mass: Addison-Wesley Pub. Co.

Chandrupatla, Tirupathi R., and Ashok D. Belegundu. 2011. Introduction to Finite Elements in Engineering. 4th ed. Upper Saddle River, NJ: Prentice Hall.

Cook, Robert Davis. 1995. Finite Element Modeling for Stress Analysis. New York: John Wiley.

Cook, Robert Davis, and Robert Davis Cook. 2002. Concepts and Applications of Finite Element Analysis. 4th ed. Hoboken, NJ: Wiley.

Desai, Chandrakant S. 1979. Elementary Finite Element Method. Englewood Cliffs: Prentice-Hall.

Fung, Y. C., Pin Tong, and Xiao Hong Chen. 2016. Classical and Computational Solid Mechanics. Vol. volume 2. Second edition. New Jersey: World Scientific.

Grandin, Hartley. 1986. Fundamentals of the Finite Element Method. New York: Macmillan.

Huebner, Kenneth H., Donald L. Dewhirst, Douglas E. Smith, and Ted G. Byrom. 2001. The Finite Element Method for Engineers. 4th ed. New York: Wiley.

Knight, Charles E. 1993. The Finite Element Method in Mechanical Design. Boston: PWS-Kent Pub. Co.

Logan, Daryl L. 2017a. A First Course in the Finite Element Method. Sixth edition. Boston, MA, USA: Cengage Learning.

Logan, Daryl L. 2017b. A First Course in the Finite Element Method. Sixth edition. Boston, MA, USA: Cengage Learning.

Moaveni, Saeed. 2015. Finite Element Analysis: Theory and Application with ANSYS. Fourth Edition. Boston: Pearson.

Pao, Y. C. 1986. A First Course in Finite Element Analysis. Boston, Mass: Allyn and Bacon.  
Pepper, Darrell W., and Juan C. Heinrich. 2017. The Finite Element Method: Basic Concepts and Applications with MATLAB, MAPLE, and COMSOL. Third edition. Boca Raton: CRC Press, Taylor & Francis Group, an Informa business.

Rao, Singiresu S. 2018. The Finite Element Method in Engineering. Sixth Edition. Oxford, United Kingdom: Butterworth-Heinemann, an imprint of Elsevier.

Reddy, J. N. 2019. Introduction to the Finite Element Method. Fourth edition. New York: McGraw Hill Education.

Ross, C. T. F. 1990. Finite Element Methods in Engineering Science. New York: Ellis Horwood.

Stasa, Frank L. 1985. Applied Finite Element Analysis for Engineers. New York: Holt, Rinehart and Winston.

Zienkiewicz, O. C., and R. L. Taylor. 2000. The Finite Element Method. 5th ed. Oxford: Butterworth.

Zienkiewicz, O. C., Robert L. Taylor, and J. Z. Zhu. 2005. The Finite Element Method: It's Basis and Fundamentals. 6th ed. Oxford: Butterworth-Heinemann.