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**List of References**

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|  |  |  |
| --- | --- | --- |
| **References** | **COPR** | **Volume** |
| **Building System Design (PC CE 05)** |  |  |
| Petty, Stephen E., ed. *Forensic engineering: Damage assessments for residential and commercial structures*. 2nd ed. Boca Raton: CRC Press. (E 690.2 F714 2022) | 2022 | 1 |
| Kollar, Laszlo´ P., Gabriella Tarjan. (2021). *Mechanics of civil engineering structures*. United Kingdom: Woodhead Publishing. (E 690 K81 2021) | 2021 | 1 |
| Aydin, Levent. H Seçil Artem, Selda Oterkus. (2020). *Designing engineering structures using stochastic optimization methods*. Boca: Raton: CRC Press. (E 624.1 A973 2020) | 2020 | 1 |
| Mumovic, Dejan and Mat Santamouris, (eds). (2019). *A handbook of sustainable building design and engineering: An integrated approach to energy, health and operational performance*. 2nd ed. New York: Routledge. (E 720 H236 2019) | 2019 | 1 |
| Oldfield, Philip. (2019). *The sustainable tall building: A design primer*. London: Routledge. (E 720.4 O44 2019) | 2019 | 1 |
| **CE Laws, Ethics and Contracts** |  |  |
| Taebi, Behnam. (2021). *Ethics and engineering: An introduction*. United Kingdom: Cambridge University Press. () | 2021 | 1 |
| Blundell, Barry G. (2020). *Ethics in computing, science, and engineering: A student’s guide to doing things right*. Switzerland: Springer. (E174.9 B658 2020) | 2020 | 1 |
| Dias, Priyan. (2019). *Philosophy for engineering: Practice, context, ethics, models, failure*. Singapore: Springer. (E 620 D541 2019) | 2019 | 1 |
| Sakellariou, Nicholas, Rania Milleron, eds. (2019). *Ethics, politics, and whistleblowing in engineering*. Boca Raton: CRC Press. (E 174.9 E84 2019) | 2019 | 1 |
| Harris, Charles E., et al. (2019). *Engineering ethics: Concepts and cases*. Australia: Cengage. (E 174.9 E57 2019) | 2019 | 1 |
| **Civil Engineering Orientation** |  |  |
| Yuan, Qiang. (2021). *Civil engineering materials: From theory to practice.* Amsterdam, Netherlands. Elsevier. (E 620 Y94 2021) | 2021 | 1 |
| Jayasree, P.K., K Balan and V Rani. (2021). *Practical civil engineering*. Boca Raton: CRC Press. (E 620 J42 2021) | 2021 | 1 |
| Lim, Jong S. (2020). *Quality management in engineering: A scientific and systematic approach*. Boca Raton: CRC Press. (E 658 L732 2020) | 2020 | 1 |
| Garg, Harish and Mangey Ram. (2020). *Reliability management and engineering challenges and future trends*. Boca Raton: CRC Press. (E 658 G212 2020) | 2020 | 1 |

|  |  |  |
| --- | --- | --- |
| Moaveni, Saeed. (2019). *Engineering fundamentals : An introduction to engineering*. 5th ed. Australia : Cengage Learning. (E 620 M687 2019) | 2019 | 1 |
| **Computer Aided Drafting 1** |  |  |
| Hamad, Munir M. (2021). *AUTOCAD 2022 3D modeling*. Dulles, Virginia: Mercury Learning And Information. (E 620.004 H198 2021) | 2021 | 1 |
| Hamad, Munir M. (2020).*AUTOCAD® 2021 3D modeling*. Dulles, Virginia: Mercury Learning And Information. (E 620.004 H198 2020) | 2020 | 1 |
| Fane, Bill. (2019).*AutoCAD for dummies*. 18th ed. New Jersey: John Wiley & Sons, Inc. (E 620.004 F211 2019) | 2019 | 1 |
| Omura, George, Brian C. Benton. (2018). *Mastering AutoCAD® 2019 and AutoCAD LT 2019*. John Wiley & Sons, Inc., Indianapolis, Indiana. (E 620.004 O57 2018) | 2018 | 1 |
| Lieu, Dennis K. and Sheryl Sorby. (2017). *Visualization, modeling, and graphics for engineering design.* 2nd ed. Boston: Cengage Learning. (E 620 L721 2017) | 2017 | 1 |
| **Computer Aided Drafting 2** |  |  |
| Hamad, Munir M.. (2021). *AUTOCAD 2022 3D modeli*ng. Dulles, Virginia: Mercury Learning And Information. (E 620.004 H198 2021) | 2021 | 1 |
| Bright, Steven. (2020). *AutoCAD Fundamentals: A comprehensive guide on engineering drawing and modeling*. U.S.A.: Steven Bright. (E 620.004 B855 2020) | 2020 | 1 |
| Hamad, Munir M.. (2020).*AUTOCAD® 2021 3D modeling*. Dulles, Virginia: Mercury Learning And Information. (E 620.004 H198 2020) | 2020 | 1 |
| Fane, Bill. (2019).*AutoCAD for dummies*. 18th ed. New Jersey: John Wiley & Sons, Inc. (E 620.004 F211 2019) | 2019 | 1 |
| Omura, George, Brian C. Benton. (2018). *Mastering AutoCAD® 2019 and AutoCAD LT 2019.* John Wiley & Sons, Inc., Indianapolis, Indiana. (E 620.004 O57 2018) | 2018 | 1 |
| ASCENT Center for Technical Knowledge. (2017). *Autocad® 2018 3D drawing & modeling: mixed units.* 1st ed. Charlottesville, VA: ASCENT - Center for Technical Knowledge. (E 620.004 A816 2017) | 2017 | 1 |
| **Computer Fundamentals and Programming** |  |  |
| Havill, Jessen. (2021). *Discovering computer science interdisciplinary problems, principles, and python programming*. 2nd ed. Boca Raton: CRC Press. (COMP 005.133 H388 2021) 24634 | 2021 | 1 |
| Padallan, Jocelyn O. (2021). *Introduction to computer programming and numerical methods*. Canada: Arcler Press. (COMP 005.133 P123 2021) | 2021 | 1 |
| Ulmann, Bernd. (2020). *Analog and hybrid computer programming*. Berlin: Walter de Gruyter GmbH. (COMP 133 U43 2020) | 2020 | 1 |
| Johnson, Mark J. (2018). *A concise introduction to programming in Mark J. Johnson Python.* 2nd ed. Boca Raton: CRC Press. (COMP 005.133 J68 2018) 24560 | 2018 | 1 |
| Gordon, V. Scott, John Clevenger. (2019). *Computer graphics programming in OpenGL with Java*. 2nd ed. Dulles, Virginia: Mercury Learning and Information. (COMP 005.133 G662 2019) 24585 | 2019 | 1 |

|  |  |  |
| --- | --- | --- |
| **Computer Softwares in Structural Analysis** |  |  |
| **Construction Methods and Project Management (PC CE 14)** |  |  |
| Schaufelberger, John E. and Giovanni C. Migliaccio. (2019). *Construction equipment management*. 2nd ed. London: Routledge. (E 690.028 S313 2019) | 2019 | 1 |
| Allen, Edward and Joseph Iano. (2019). *Fundamentals of building construction materials and methods*. 7th ed. Hoboken, New Jersey: John Wiley & Sons. (E 690 A425 2019) | 2019 | 1 |
| Fayek, Aminah Robinson, (ed). (2018). *Fuzzy hybrid computing in construction engineering and management: theory and applications*. United Kingdom: Emerald Publishing Limited. (E 620 F949 2018) | 2018 | 1 |
| Rumane, Abdul Razzak. (2018). *Quality management in construction projects*. 2nd ed. London: CRC Press. (E 690.068 R936 2018) | 2018 | 1 |
| Mamlouk, Michael S., John P. Zaniewski. (2018). *Materials for civil and construction engineers*. 4th ed. Boston: Pearson. (E 624.1 M263 2018) | 2018 | 1 |
| **Construction Materials and Testing** |  |  |
| Harries, Kent A., Bhavna Sharma. (2020). *Nonconventional and vernacular construction materials characterisation, properties and applications*. 2nd ed. United Kingdom: Elsevier. (E 624.1 N812 2020) | 2020 | 1 |
| Roca, Pere, Paulo B. Lourenço and Angelo Gaetani. (2020). *Historic construction and conservation materials, systems and damage*. New York: Routledge. (624.1 R669 2020) | 2020 | 1 |
| Pacheco-Torgal, Fernando, Serji Amirkhanian, Hao Wang, Erik Schlangen, (eds). (2020). *Eco-efficient pavement construction materials*. United Kingdom: Elsevier. (624.1 E62 2020) | 2020 | 1 |
| Pacheco-Torgal, Fernando, Volodymyr Ivanov, Daniel C.W. Tsang, (eds). (2020). *Bio-based materials and biotechnologies for eco-efficient construction*. United Kingdom: Woodhead Publishing. (E 624.1 B615 2020) | 2020 | 1 |
| Mangushev, Rashid, (eds.), (et al.).(2019). *Geotechnics fundamentals and applications in construction: New materials, structures, technologies and calculations*. London: Taylor & Francis Group. (E 624.1 G342 2019) | 2019 | 1 |
| Alzuabidi, Habeeb Lateef Muttashar. (2019). *Sustainable construction materials recycled spent garnet*. London: CRC Press. (624.1 L351 2019) | 2019 | 1 |
| **Dynamics of Rigid Bodies** |  |  |
| Diehl, Edward. (2021). *The Engineering dynamics course companion, part 2: Rigid bodies kinematics and kinetics*. U.S.A.: Morgan & Claypool. (E 620.1 D559 2021) | 2021 | 1 |
| Diehl, Edward. (2021). *The engineering dynamics course companion, part 1: Particles kinematics and kinetics*. U.S.A.: Morgan & Claypool. (E 620.1 D559p 2021) | 2021 | 1 |
| Petrosian, Levon G., Vladimir A. Ambartsumian. (2020). *Static and dynamic analysis of engineering structures incorporating the boundary element method*. New Jersey: John Wiley & Sons. (E 620.1 P497 2020) | 2020 | 1 |
| Batlle, Joaquim A., Ana Barjau Condomines. (2020). *Rigid body kinematics*. United Kingdom: Cambridge University Press. (E 620.1 B328 2020) | 2020 | 1 |

|  |  |  |
| --- | --- | --- |
| Daqaq, Mohammed F. (2019). *Dynamics of particles and rigid bodies: A self-learning approach*. New Jersey: John Wiley & Sons. (E 620.1 D111 2019) | 2019 | 1 |
| Pytel, Andrew; Jaan Kiusalaas. (2017). *Engineering mechanics: Statics*. 4th ed. Australia : Cengage Learning. (E 620.1 P999 2019) | 2017 | 1 |
| **Earthquake Engineering (PCS SE 03)** |  |  |
| Chopra, Anil K. (2020). Earthquake engineering for concrete dams: Analysis, design and evaluation. New Jersey: Wiley-Blackwell. (E 624.1762 C549 2020) | 2020 | 1 |
| Adimoolam, Boominathan, Subhadeep Banerjee, (eds). (2019). *Soil dynamics and earthquake geotechnical engineering.* Vol. 3. Switzerland: Springer. (E 624.1762 A235 2019) | 2020 | 1 |
| Prasad, B.K. Raghu. (2020). *Structural dynamics in earthquake and blast resistant design*. Boca Raton: CRC Press. (E 624.1762 P911 2020) | 2020 | 1 |
| Sharma, M. L., Manish Shrikhande, H. R. Wason, (eds). (2018). *Advances in Indian earthquake engineering and seismology*. Switzerland: Springer. (E 624.1762 A244 2018) | 2018 | 1 |
| Iai, Susumu, (ed). (2018*). Developments in earthquake geotechnics*. Switzerland: Springer. (E 624.1762 I11 2018) | 2018 | 1 |
| **Engineering Data and Analysis** |  |  |
| Li, Haksun (2022). *Numerical methods using java: For data science, analysis, and engineering*. Hongkong: Apress. | 2022 | 1 |
| Patrick F. Dunn, Michael P. Davis. (2018). *Measurement and data analysis for engineering and science*, 4th ed. Boca Raton: CRC Press. | 2018 | 1 |
| **Engineering Drawing and Plans** |  |  |
| Simmons, Colin H., Dennis E. Maguire, Neil Phelps. (2020). *Manual of engineering drawing*. 5th ed. United Kingdom: Elsevier. (E 604.2 S592 2020) | 2020 | 1 |
| Bisen, Anil M.. (2020). *Machine drawing*. London: New Age International. (E 604.2 B621 2020) | 2020 | 1 |
| Manera, Domingo. (2019). *A complete guide to drawing*. U.S.A.: Editorial De Vecchi, S. A. (E 604.2 M268 2019) | 2019 | 1 |
| Gardner, Stephen C. P.. (2018). *Gateways to drawing: A complete guide*. London: Thames & Hudson. (E 604.2 G226 2018) | 2018 | 1 |
| Rathnam, K.. (2018). *A first course in engineering drawing*. Singapore: Springer. (E 604.2 R234 2018) | 2018 | 1 |
| **Engineering Economics (E-11)** |  |  |
| Kumar, Anil, Jose Arturo Garza-Reyes, and Syed Abdul Rehman Khan, eds. (2021). *Circular economy for the management of operations*. Boca Raton: CRC Press. (E 658 C578 2021) | 2021 | 1 |
| Sullivan, William G., Elin M. Wicks C. Patrick Koelling. (2020). Engineering economy. 17th ed. New York: Pearson. (E 658.155 S952 2020) | 2020 | 1 |
| Powderham, Alan and Tony O’Brien. (2020). *The observational method in civil engineering: minimising risk, maximising value*. London: CRC Press. E 658.155 P881 2020) | 2020 | 1 |
| Crisostomi, Emanuele, et al. (2020). *Analytics for the sharing economy: mathematics, engineering and business perspectives*. Switzerland: Springer. (E 334.23 A532 2020) | 2020 | 1 |
| Blank, Leland, Anthony Tarquin. (2018). *Engineering economy*. 8th ed. New York: McGRaw Hill Education. (E 658.15 638 2018). | 2018 | 1 |
| **Engineering Management** |  |  |
| Elsayed, Elsayed A. (2021).*Reliability engineering*. 3rd ed. New Jersey:John Wiley & Sons, Inc. | 2021 | 1 |
| Lester, Albert. (2021). *Project management, planning and control managing engineering, construction and manufacturing projects to PMI, APM and BSI standards*. 8th ed. United Kingdom: Butterworth-Heinemann. (E 658 L642 2021) | 2021 | 1 |
| Larson, Will. (2019). *An elegant Puzzle: Systems of engineering management.* San Francisco, California: Stripe Press. (e 658 L318 2019 | 2019 | 1 |
| Machado, Carolina, Joao Paulo Davim, eds. (2018). *Corporate social responsibility in management and engineering*. Denmark: River Publishers. (E 658 C787 2018) | 2018 | 1 |
| Atesmen, M. Kemal. (2017). *Engineering management in a global environment guidelines and procedures*. Boca Raton: CRC Press. (E 658 A864 2017 ) | 2017 | 1 |
| **Engineering Utilities 1** |  |  |
| Strangas, Elias G. (2022). *Fault diagnosis, prognosis, and reliability for electrical machines and drives*. New Jersey: John Wiley & Sons, Inc. (E 621.3 S897 2022) | 2022 | 1 |
| Kearns, James, Giorgio Rizzoni. (2022). *Principles and applications of electrical engineering*. 7th ed. New York: McGraw Hill. (E 621.319 K24 2022) | 2022 | 1 |
| Rizzoni, Giorgio, James Kearns. (2022). *Fundamentals of electrical engineering*. 2nd ed. New York: McGraw Hill. (E 621.319 R627 2022) | 2022 | 1 |
| Miller, Charles R. (2020). *Electrical references*. U.S.A.: Jones & Bartlett. (E 621.319 M647 2020) | 2020 | 1 |
| Santoso, Surya, H. Wayne Beaty . (2018). *Standard hand book for electrical engineers.* 17th ed. New York: McGraw Hill. (E 621.319 S237 2018) | 2018 | 1 |
| **Engineering Utilities 2** |  |  |
| Haq, Syed Azizul. (2022). *Plumbing principles and practice*. 2nd ed. London: Routledge. (E 696.1 H253 2022) | 2022 | 1 |
| Barker, Bruce A.  (2019). *Codes for homeowners*. U.S.A.: Quarto Publishing Group USA Inc. (E 696.1 B255 2019). | 2019 | 1 |
| Maskrey, Michael B.. (2019). *The city & guilds textbook: Plumbing* book 1. London: Hodder Education. (E 696.1 M394 2019) | 2019 | 1 |
| Black and Decker. (2019). *The complete guide to plumbing*. 7th ed. U.S.A.: Quarto Publishing Group USA Inc. (E 696.1 B627 2019). | 2019 | 1 |
| Jefferson, Nancy. (n.d.) *The basic guide to DIY plumbing system for beginners and dummie*s. ( E 696.1 J45 n.d) |  | 1 |
| **Fundamentals of Surveying** |  |  |
| National Council for Examiners for Engineering and Surveying. (2020). *Fundamentals of surveying: Reference handbook version 2.0* (E 526.9 N277 2020) | 2020 | 1 |
| Ivanov, Roumen Anguelov. (2020). *Engineering surveying and deformation surveys*. Bulgaria: Roumen Anguelov Ivanov. (E 526.9 I93 2020) | 2020 | 1 |
| Tagg, Adrian. (2019). *Technical due diligence and building surveying for commercial property*. London: Routledge. (E 526.9 T125 2019) | 2019 | 1 |
| Nadolinets, Leonid, Eugene Levin, and Daulet Akhmedov. (2017). *Surveying instruments and technology*. Boca Raton: CRC Press. (E 526.9 N138 2017) | 2017 | 1 |
| **Geology for Civil Engineers (S 03)** |  |  |
| Spooner, Alecia M.. (2020). *Geology for dummies*. 2nd.  ed. New Jersey: John Wiley & Sons, Inc. (E 551 S764g 2020 ) | 2020 | 1 |
| Ludman, Allan, Stephen Marshak. (2019). *Laboratory manual for introductory geology.* 4th ed. New York: W. W. Norton & Company. (E 551 L944 2019) | 2019 | 1 |
| Parriaux, Aurele. (2019). *Geology: Basics for engineers*. 2nd ed. The Netherlands: CRC Press. (E 551 P764 2019) | 2019 | 1 |
| Prost, Gary L. Benjamin P. Prost. (2018). *The geology companion essentials for understanding the earth*. Boca Raton, FL: Taylor & Francis Group. (E 551 P966 2018) | 2018 | 1 |
| **Geotechnical Engineering 1 (soil mechanics)** |  |  |
| Sivakugan, Nagaratnam. (2021). *Soil mechanics and foundation engineering: Fundamentals and applications*. New York: McGraw Hill. (E 624.1513 S624 2021) | 2021 | 1 |
| Zhou, Wan-Huan, Zhen-Yu Yin, Ka-Veng Yuen. (2021). *Practice of Bayesian probability theory in geotechnical engineering*. China: Tongji University Press. (E 624.1762 Z63 2021) | 2021 | 1 |
| Weng, Meng-Chia, Jeffrey Lee, Yong Liu. (2019). *Current geotechnical engineering aspects of civil infrastructures: Proceeding of the 5th Geo-China International Conference 2018*. Switzerland: Springer. (E 624.1 C976 2019) | 2019 | 1 |
| Patel, Anjan. (2019). *Geotechnical investigations and improvement of ground conditions*. United Kingdom: Elsevier. (E 624.1513 P295 2019) | 2019 | 1 |
| Rahman, M.S., M.B. Can Ülker. (2018). *Modeling and computing for geotechnical engineering: An introduction*. London: CRC Press. (E 624.1762 R147 2018) | 2018 | 1 |
| **Highway and Railroad Engineering** |  |  |
| Zhu, Hanhua, Lei Shi. (2021). *Methodology of highway engineering structural design and construction*. China: Zhejiang University Press. (E 625.7 Z63 2021) | 2021 | 1 |
| Pacheco-Torgal, Fernando, et al. (2020). *Eco-efficient pavement construction materials*. United Kingdom: Woodhead Publishing. (E 625.7 E17 2020) | 2020 | 1 |
| Garber, Nicholas J., Lester A. Hoel. (2020). *Traffic and highway engineering*. 5th ed. Australia: Cengage. (E 625.7 G213 2020) | 2020 | 1 |
| Yao, Jialiang, Zhigang Zhou, Hongzhuan Zhou. (2019). *Highway engineering composite material and its application*. Singapore: Springer. (625.7 Y25 2019) | 2019 | 1 |
| Kuhn, Beverly T.. (2019). *Transportation engineering: A practical approach to highway design, traffic analysis, and systems operations*. New York: McGraw Hill. (E 625.7 K96 2019) | 2019 | 1 |
| Rogers, Martin. (2016). *Highway engineering*. 3rd ed. United Kingdom: John Wiley and Sons. (E 625.7 R728 2016) | 2016 | 1 |
| **Hydraulics** |  |  |
| Turner, Eur Ing Ian C. (2021). *Engineering applications of pneumatics and hydraulics*. 2nd ed. London: Routledge. (E 627 T944 2021) | 2021 | 1 |

|  |  |  |
| --- | --- | --- |
| Wang, Xixi. (2021). *Water resources and hydraulics*. New York: Cambridge University Press. (E 627 W246 2021) | 2021 | 1 |
| Sturm, Terry W. (2021). *Open channel hydraulics*. 3rd ed. New York: McGraw Hill. (E 627 S927 2021) | 2021 | 1 |
| Franciss, Fernando Olavo. (2021). *Hard rock hydraulics: Introduction to modeling*. Boca Raton: CRC Press. (E 627 F818 2021) | 2021 | 1 |
| Lin Li, et al. (2021). *Hydraulics of Levee overtopping*. Boca Raton: CRC Press. (E 627 H992 2021) | 2021 | 1 |
| **Hydrology** |  |  |
| Singh, Shailesh Kumar, C. T. Dhanya, (eds). (2019). *Hydrology in a changing world challenges in modeling*. Switzerland: Springer. (E 551.48 S617 2019) | 2019 | 1 |
| Novák, Viliam, Hana Hlaváčiková. (2019). *Applied soil hydrology*. Switzerland: Springer. (E 551.48 N935 2019) | 2019 | 1 |
| Davie, Tim and Nevil Wyndham Quinn. (2019). *Fundamentals of hydrology*. 3rd ed. London: Routledge. (E 551.48 D249 2019) | 2019 | 1 |
| Information Resources Management Association. (2018). *Hydrology and water resource management: Breakthroughs in research and practice*. U.S.A.: IGI Global. (E 551.48 I43 2018) | 2018 | 1 |
| Mimikou, Maria A., Evangelos A. Baltas, Vassilios A. Tsihrintzis. (2016). *Hydrology and water resource systems analysis*. Boca Raton : Taylor & Francis. (E 551.48 M618 2016) | 2016 | 1 |

|  |  |  |
| --- | --- | --- |
| **Mechanics of Deformable Bodies** |  |  |
| dell’Isola, Francesco, Leonid Igumnov, (eds.) (2021). *Dynamics, strength of materials and durability in multiscale mechanics*. Switerland: Springer. (E 620.1 D994 2021) | 2021 | 1 |
| Altenbach, Holm, Victor A. Eremeyev, Leonid A. Igumnov, (eds). (2021). *Multiscale solid mechanics strength, durability, and dynamics.* Switzerland: Springer. (E 620.1 M954 2021) | 2021 | 1 |
| Singh, D.K. (2021). Strength of materials. 4th ed. Switzerland: Springer. (E 620.1 S617 2021) | 2021 | 1 |
| Mott, Robert L. and Joseph A. Untener. (2018). *Applied strength of materials.* 6th ed. Boca Raton, FL: CRC Press. (E 620.1 M921 2018) | 2018 | 1 |
| Elishakoff, Isaac. (2017). *Probabilistic methods in the theory of structures: Strength of materials, random vibrations, and random buckling*. New Jersey: World Scientific. (E 620.1 E43 2017) | 2017 | 1 |
| **Principles of Reinforced/Prestressed concrete** |  |  |
| Concrete Reinforcing Steel Institute. (2019). *Design guide for reinforced concrete diaphragms: A guide to assist design professionals in efficiently designing and detailing reinforced concrete diaphragms*. 1st ed. U.S.A.: Concrete Reinforcing Steel Institute. (E 624.1 C744 2019) | 2019 | 1 |
| Han, Lin-Hai, Dennis Lam, David A. Nethercot. (2019). *Design guide for concrete-filled double skin steel tubular structures*. Boca Raton. CRC Press. (E 624.1 H233 2019) | 2019 | 1 |
| Aschheim, Mark, Enrique Hernandez-Montes, and Dimitrios Vamvatsikos. (2019). *Design of reinforced concrete buildings for seismic performance practical deterministic and probabilistic approaches*. Boca Raton: CRC Press. (E 624.1 A812 2019) | 2019 | 1 |
| El-Din, Salah, E. El-Metwally, Wai-Fah Chen. (2018). *Structural concrete strut-and-tie models for unified design*. London: CRC Press. (E 624.1 E37 2018) | 2018 | 1 |
| Ashraf, Syed Mehdi. (2018). *Practical design of reinforced concrete buildings*. Boca Raton: CRC Press. (E 624.1 A819 2018) | 2018 | 1 |
| **Principles of Steel Design** |  |  |
| Li, Guo-Qiang, Yan-Bo Wang, (eds). (2021). *Behavior and design of high-strength constructional steel*. United Kingdom: Elsevier. (E 624.1 B419 2021) | 2021 | 1 |
| Gupta, Ram S. (2020). *Principles of structural design wood, steel, and concrete.* 3rd ed. Boca Raton, FL: CRC Press. (E 624.1 G896 2020) | 2020 | 1 |
| Aghayere, Abi, Jason Vigil. (2020). *Structural steel design*. 3rd ed. Dulles, Virginia: Mercury Learning and Information. (E 624.1076 A266 2020) | 2020 | 1 |
| Han, Lin-Hai, Dennis Lam, David A. Nethercot. (2019). *Design guide for concrete-filled double skin steel tubular structures*. Boca Raton, FL: CRC Press. (E 624.18 H233 2019) | 2019 | 1 |
| Boracchini, Alfredo. (2018). *Design and analysis of connections in steel structures: Fundamentals and examples*. Berlin, Germany: Wilhelm Ernst & Sohn. (E 624.18 B726 2018) | 2018 | 1 |
| **Principles of Transportation** |  |  |
| Al-Khateeb, Ghazi G. (2021). *Traffic and pavement engineering*. Boca Raton, FL: CRC Press. (E 338.4 A285 2021) | 2021 | 1 |
| Franciss, Fernando Olavo. (2021). *Hard rock hydraulics: An introduction to modeling*. London: Taylor & Francis Group. (E 621.2 F818 2021) | 2021 | 1 |
| Saride, Sireesh, B. Umashankar, Deepti Avirneni, (eds). (2020). *Advances in geotechnical and transportation engineering*. Singapore: Springer. (E 624.1 S243 2020) | 2020 | 1 |
| Singh, Sarbjeet, (eds). (2019). *Transportation systems managing performance through advanced maintenance engineering*. Singapore: Springer. (E 624.1 T772 2019) | 2019 | 1 |
| Sheikholeslami, Mohsen. (2019). *Applications of nanofluid transportation and heat transfer simulation*. Hershey PA, USA: IGI Global. (E 624.1 S543 2019) | 2019 | 1 |
| Brenna, Morris, Federica Foiadelli, Dario Zaninelli. (2018). *Electrical railway transportation systems*. Piscataway, New Jersey: IEEE Press. (E 629.04 B838 2018) | 2018 | 1 |
| **Quantity Surveying** |  |  |
| Walker, John, Joseph Awange. (2020). *Surveying for civil and mine engineers acquire the skills in weeks*. 2nd ed. Switzerland: Springer. (526.9 W181 2020) | 2020 | 1 |
| Gorse, Christopher, David Johnston, Martin Prichard. (2020). *Oxford dictionary of construction, surveying and civil engineering*. United Kingdom: Oxford University Press. (E 624.03 G661 2020) | 2020 | 1 |
| Gopi, Satheesh, R. Sathikumar, N. Madhu. (2018). *Advanced surveying*. 2nd ed. India: Pearson India Education Services. (E 526.9 G573 2018) | 2018 | 1 |
| **Statics of Rigid Bodies** |  |  |
| Diehl, Edward James. (2021). *The Engineering dynamics course companion. part 1: particles kinematics and kinetics*. U.S.A.: Morgan & Claypool. (E 531.11 D559 v.1 2021) | 2021 | 1 |
| Islam, M. Rashad, et al. (2021) *Engineering statics*. Boca Raton: CRC Press. (E 620.105 I82 2021) | 2021 | 1 |

|  |  |  |
| --- | --- | --- |
| Potter, Merle C. (2021). Schaum’s outlines: *Engineering mechanics statics*. New York: McGraw Hill. (E 620.105 P868 2021) | 2021 | 1 |
| Díaz, Ernesto Olguín. (2019). *3D motion of rigid bodies: A Foundation for robot dynamics analysis*. Switzerland: Springer. (E 629.8 D542 2019) | 2019 | 1 |
| Daqaq, Mohammed F. (2019). *Dynamics of particles and rigid bodies: A self-learning approach*. New Jersey: John Wiley & Sons, Inc. (E 531.11 D212 2019) | 2019 | 1 |
| **Structural Theory 1 & 2** |  |  |
| Gayed, Ramez, Amin Ghali. (2022). *Structural analysis Fundamentals*. Boca Raton: CRC Press. (E 624.1 G286 2022) | 2022 | 1 |
| Jerath, Sukhvarsh. (2021). *Structural stability theory and practice buckling of columns, beams, plates, and shells*. New Jersey: John Wiley & Sons, Inc. (E 624.1 J55 2021) | 2021 | 1 |
| Hassoun, M. Nadim, Akthem Al-Manaseer. (2020). *Structural concrete theory and design*. 7th ed. New Jersey: John Wiley & Sons, Inc. (E 624.1 H353 2020) | 2020 | 1 |
| Hibbeler, R. C.. (2020). *Structural analysis*. 10th ed. United Kingdom: Pearson. (E 624.1 H624 2020) | 2020 | 1 |
| Ghiassi, Bahman and Gabriele Milani. (2019). *Numerical modeling of masonry and historical structures : From theory to application*. Cambridge : Woodhead Publishing. (E 624.1 N 971 2019) | 2019 | 1 |