

CENG0016: Process Plant Design Project

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1.

Towler GP, Sinnott RK. Chemical Engineering Design: Principles, Practice, and Economics of Plant and Process Design. 2nd ed. Butterworth-Heinemann; 2013.

<https://www-sciencedirect-com.libproxy.ucl.ac.uk/book/9780080966595/chemical-engineering-design>

2.

prepared by a staff of specialists under the editorial direction of editor-in-chief, Don W. Green, late editor, Robert H. Perry, ed. Perry's Chemical Engineers' Handbook. 8th edn. McGraw-Hill; 2008.

<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780071593137>

3.

Huward GS, Felder RM. Elementary Principles of Chemical Processes: Student Workbook. 2005 ed. with integrated media and study tools. Wiley; 2005.

4.

Henley EJ, Seader JD, Roper DK. Separation Process Principles. 3rd ed., International student version. Wiley; 2011.

5.

Liptak BG. Chapter 1.1 (Pages 4-30): Instrument Engineers' Handbook. In: Vol 1. 4th edn CRC Press; 27 AD:4-30.

<https://books.google.co.uk/books?id=a05NAvaqfcUC&printsec=frontcover#v=onepage&q&f=false>

6.

Sutton I. Plant Design and Operations. Second edition. Gulf Professional Publishing; 2017.
<http://app.knovel.com/hotlink/toc/id:kpPDOE0001/plant-design-and>

7.

Towler G, Sinnott RK. Chapter 5 (Pages 251-257): Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design. In: 2nd edn Elsevier Science; 2012:251-257.
<https://www.sciencedirect-com.libproxy.ucl.ac.uk/book/9780080966595/chemical-engineering-design>

8.

Hall S. Chapter 17 (Pages 291-295, 337-346): Rules of Thumb for Chemical Engineers. 5th ed. Butterworth-Heinemann; 2012.
<http://app.knovel.com/hotlink/toc/id:kpRTCEE002/rules-of-thumb>

9.

Mayer FA. A P&ID standard: What, why, how? ISA Transactions. Published online 2002.
https://ac.els-cdn.com/S0019057807600962/1-s2.0-S0019057807600962-main.pdf?_tid=b7e7f8f70-02b2-11e8-b27f-00000aabb0f01&acdnat=1516982916_e19ded433853d2e5b6b1339b51660c22

10.

Coker AK, Ludwig EE. Sections 1.14 - 1.16: Ludwig's applied process design for chemical and petrochemical plants: Volume 1. In: 4th ed. Elsevier Gulf Professional Pub.
<http://app.knovel.com/hotlink/toc/id:kpLAPDCPP1/ludwigs-applied-process>

11.

Beverly RP, American Water Works Association. Pump Selection and Troubleshooting Field Guide. American Water Works Association
<http://app.knovel.com/hotlink/toc/id:kpPSTFG001/pump-selection-and>

12.

Svrcek WY, Mahoney DP, Young BR. A Real Time Approach to Process Control. Third edition. John Wiley & Sons Inc; 2014.

<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=4037756>

13.

Luyben WL. Chemical Reactor Design and Control. John Wiley & Sons, Inc.; 2007.

doi:10.1002/9780470134917

14.

Luyben WL. Chapter 1: Distillation Control. In: Distillation. Elsevier; 2014:1-35.

doi:10.1016/B978-0-12-386876-3.00001-6

15.

Mannan S, Lees FP. Lee's Loss Prevention in the Process Industries: Hazard Identification, Assessment, and Control. Butterworth-Heinemann; 2012.

<http://app.knovel.com/hotlink/toc/id:kpLLPPIVH2/lees-loss-prevention>

16.

Marszal EM, Scharpf EW. Safety Integrity Level Selection: Systematic Methods Including Layer of Protection Analysis. Instrumentation, Systems, and Automation Society

<http://app.knovel.com/hotlink/toc/id:kpSILSSMI4/safety-integrity-level>