

1 Required textbooks:

1. Fundamentals of mechanical engineering: textbook / Skvortsov V.F., TPU, Tomsk: TPU publishing house, 2013. – 234 p.
2. Technology of Mechanical Engineering. Part 1. Textbook / Kozlov V.N. Tomsk: TPU Press, 2001, 134 pp.
3. Technology of Mechanical Engineering. Part 2. Textbook . / Kozlov V.N. Tomsk: TPU Press, 2002, 148 pp.
4. Machine Tool Technology / Repp V.E., McCarthy W.J., McKnight Publishing Company, Glencol, 1984.
5. Основы технологии машиностроения: учебное пособие / В. Ф. Скворцов ; Национальный исследовательский Томский политехнический университет (ТПУ). — Томск: Изд-во ТПУ, 2012. — 352 с.: ил.
6. Скворцов В.Ф. Выбор технологических баз при изготовлении деталей. Учебное пособие. – Томск: Изд-во ТПУ, 2007. –56 с.
7. Скворцов В.Ф. Основы размерного анализа технологических процессов изготовления деталей. – Томск: Изд-во ТПУ, 2009. –91 с.
8. Encyclopedia of production and manufacturing management / Editor Paul M. Swamidass. Kluwer Academic Publishers, 2000.
9. Foster L.W. Geometrics III: The application of geometric and tolerancing technique. Addison-Wesley, 1994.
10. Handbook of Manufacturing Engineering / Edited by Jack M. Walker. Marcel Dekker, 1996.
11. Manufacturing Engineering and Technology. Fifth edition. Serope Kalpakjian, Steven R. Schmid, 2006.

2. Recommended textbooks:

12. Машиностроение. Энциклопедия. Т. III-3. Технология изготовления деталей машин / А.М. Дальский, А.Г. Суслов, Ю.Ф. Назаров и др.; под общ. ред. А.Г. Суслова. –М.: Машиностроение-1, 2000. –840 с.
13. Справочник технолога-машиностроителя. В 2-х т. Т. 1 / Под ред. А.М. Дальского, А.Г. Косиловой, Р.К. Мещерякова, А.Г. Суслова. – М.: Ма-шиностроение-1, 2003. –912 с.
14. Справочник технолога-машиностроителя. В 2-х т. Т. 2 / Под ред. А.М. Дальского, А.Г. Косиловой, Р.К. Мещерякова, А.Г. Суслова. – М.: Ма-шиностроение-1, 2003. –944 с.
15. Ashby, M.F., Materials selection in Mechanical Design, 3rd ed., Elsevier, 2005
16. ASM Handbook, Vol. 4: Heat Treating, ASM International, 1991
17. Boljanovic, V., Sheet Metal Forming Process and Die Design, Industrial Press, 2004
18. Boothroyd, G., Dewharst, P. and Knight, W., Product Design for Manufacture and Assembly, 2nd edition, Marcel Dekker, 2001
19. Dieter, G.E., Kuhn, H.A. and Semiatin, S.L., Handbook of Workability and Process Design, ASM International, 2003
20. Drake P. Dimensioning and tolerancing handbook. McGraw-Hill, New York, 1999.
21. Encyclopedia of production and manufacturing management / Editor Paul M. Swamidass. Kluwer Academic Publishers, 2000.
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28. Machine Shop Practice. Fifth edition. Karl Hans Moltrecht, 1979.
29. Manufacturing Engineering and Technology. Fifth edition. Serope Kalpakjian, Steven R. Schmid, 2006.

30. Mechanical Engineer's Handbook / Edited by Dan B. Marghitu. Academic Press, 2001.
31. Precision Manufacturing, by David Dornfeld and Dae-Eun Lee, Springer, 2008.
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33. Shaw, M.C., Metal Cutting Principles, 2nd ed., Oxford, 2005
34. Shetty, D., Design for Product Success, Society of Manufacturing Engineers, 2002
35. The fundamentals of product design. R. Morris. AVA Publishing, 2009.

3. Internet sources

1. http://e-le.lcg.tpu.ru/public/OTM_0771/index.html
2. <http://www.mitcalc.com/doc/tolerances/help/en/tolerances.htm> – Calculation packet MITCalc