

核工所碩士班考試參考書目

工程數學：

1. Zill & Wright, "Advanced Engineering Mathematics", 6th Ed., Jones & Bartlett (2017)
2. Michael D. Greenberg, "Advanced Engineering Mathematics" 2nd ed., (1998 by Prentice-Hall International, 2006 by Pearson Education)
3. Erwin Kreyszig, "Advanced Engineering Mathematics," 9th edition, 2006.

核工原理：

1. J. R. Lamarsh and A. J. Baratta, Introduction to Nuclear Engineering, 3rd ed., Prentice-Hall, 2001, Chapter 1 to 6.

近代物理：

1. Serway, Moses and Moyer, "Modern Physics," 3rd ed., 2005
2. A. Beiser, Concepts of Modern Physics, 6th ed., 2003.

流體力學：

1. Munson, Young, Okiishi, "Fundamentals of Fluid Mechanics," Chapters 1-9, John Wiley & Sons, 2006.

材料熱力學：

1. David R. Gaskell, "Introduction to Thermodynamics of Materials," Chapters 1-12, 4th Ed, Taylor&Francis, 2003.

輻射安全：

1. J. R. Lamarsh and A. J. Baratta, Introduction to Nuclear Engineering, 3rd ed., Prentice-Hall, 2001, Chapter 9 to 10.
2. Turner, J. E. (2008). Atoms, Radiation, and Radiation Protection. John Wiley & Sons.