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| 课程代码（Coursenumber） CHM 305  课程对象（Audience） Primarily for Undergraduates  开课教师（Teacher） Z. Soos  学期（Semester） Fall  课程描述（Description）） Introduction to quantum mechanics, surveying applications in chemistry, physics, molecular biology, and molecular imaging. Computer-based tools will be emphasized. Prerequisites: 202 or 204 or 215; MAT 102 or 104; PHY 101 (may be taken concurrently) or AP Physics. Three lectures, one preceptorial.  课时信息（Totalhours）  教参信息（Textbookinfo） 1 The Quantum World: Quantum Physics for Everyone by Kenneth W. Ford and Diane Goldstein (Paperback - Oct. 15, 2005) ISBN-13: 978-0674018327 世界各地拥有馆藏的图书馆（OCLC）:1284 2 The Quantum World (Princeton Science Library) by John C. Polkinghorne (Paperback - Jan. 1, 1986) ISBN-13: 978-0691023885 3 The Strange World of Quantum Mechanics by Daniel F. Styer (Paperback - Feb. 28, 2000) ISBN-13: 978-0521667807 4 The Black Hole War: My Battle with Stephen Hawking to Make the World Safe for Quantum Mechanics by Leonard Susskind (Paperback - July 22, 2009) ISBN-13: 978-0316016414 世界各地拥有馆藏的图书馆（OCLC）:121 5 This Strange Quantum World & You by Patricia Topp (Paperback - Aug. 18, 1999) ISBN-13: 978-1577330356 6 Many Worlds?: Everett, Quantum Theory, and Reality by Simon Saunders, Jonathan Barrett, Adrian Kent, and David Wallace (Hardcover - July 27, 2010) ISBN-13: 978-0199560561 世界各地拥有馆藏的图书馆（OCLC）:22 7 Quantum Questions: Mystical Writings of the World's Great Physicists by Ken Wilber (Paperback - Apr. 10, 2001) ISBN-13: 978-1570627682 世界各地拥有馆藏的图书馆（OCLC）:175 8 Quantum Physics: A Beginner's Guide by Alastair I. M. Rae (Paperback - Jan. 3, 2006) ISBN-13: 978-1851683697 世界各地拥有馆藏的图书馆（OCLC）:321 9 Consciousness and Quantum Mechanics: Life in Parallel Worlds, Miracles of Consciousness from Quantum Reality by Michael B. Mensky (Hardcover - June 30, 2010) ISBN-13: 978-9814291422 世界各地拥有馆藏的图书馆（OCLC）:3 10 The Quantum Mechanics of Minds and Worlds by Jeffrey Alan Barrett (Paperback - Nov. 8, 2001) ISBN-13: 978-0199247431 世界各地拥有馆藏的图书馆（OCLC）:77 11 The Quantum Leader: Applications for the New World of Work (Malloch, The Quantum Leader) by Kathy Malloch and Tim Porter-O'Grady (Paperback - Dec. 9, 2008) ISBN-13: 978-0763765408 世界各地拥有馆藏的图书馆（OCLC）:126 |