

Nr. 3130L206 SE Wissenschafts- und Technikkultur im traditionellen China

Dozentin: Sternfeld

Datum	Thema	Literatur
20.4	f.a.	
27.4	Einführung in die Thematik Joseph Needham und die Entstehung von Science and Civilisation in China Science and Civilisation Bd. 1	Winchester (2008), Li Guohao et. al, Joseph Needham and Dorothy Needham SCC Bd. 1
4.5.	f.a.	
11.5.	Joseph Needham: Wissenschaftlicher Universalismus	Needham: Wissenschaftlicher Universalismus Der chinesische Beitrag zu Wissenschaft und Technik S.106-120, Wissenschaft und Gesellschaft im klassischen China S. 145 -165
18.5.	Astronomie im traditionellen China, Chinesische Kalender Meteorologie und Geowissenschaften	SCC Vol. 3 Mathematics and the Sciences of Heaven and Earth,S. 171- 343 "Records of Astronomical events" Astronomy and Astrometric Instruments" Chinese calendars" Ancient China's ...S.5-49 SCC Vol. 3, Sect 21-22 S. 462 ff.
25.5	Mathematik und Physik	Mathematical Classics, The Decimal Place-value numeration and the rod and bead arithmetics" Ancient China's S. 50-65 SCC Vol. 3, Section 19, S. 2-167 Physik, SCC Vol. 4, Pt.1 Mechanik , Ancient China's ...S. 124-139, Akustik, Ancient China's S. 139-151 Magnetismus und Kompass, Ancient China's...S. 152-165, SCC S.229 Optik, Ancient China's , S. 166-175
1.6	Chemie und Alchemie	Alchemy in Ancient China, Ancient China', S. 213-228, SCC Vol. 5 Sect. 33, Part II, Spagyric Discovery and Invention: Magistries of Gold and Immortality. Part V: Physiological Alchemy
8.6.	Medizin und Pharmazie	Acupuncture and Moxibustion, Ancient China', S. 345-351 Achievements in Ancient Chinese Pharmacology, Ancient China', S. 352-357 Diagnosis by Pulse feeling in Chinese Traditional Medicine. Ancient China', S. 358 - 368 Surgery in Ancient China, Ancient China', S. 369-376

15.6.	Keramik/Porzellan, Textilherstellung (Seide)	SCC Vol 5, Pt. 9, "Porcelain, Ancient China", S. 202- 212 SCC Vol.5, Pt. 12 „Sericulture“, Ancient China',S. 305-314, Silk and Silk Textile Technology
22.6.	Papier und Drucktechnik	SCC Vol.5, Pt.1
29.6.	Militärtechnik, Erfindung des Schiesspulvers	SCC Vol. 5, Pt.7 Gunpowder Epic Gunpowder and Firearms, Ancient China', S. 184- 191
6.7.	Wasserbau und Schiffsbau	SCC Vol. 4, Pt 3 Civil Engineering and Nautics Water Conservancy projects and Knowledge of Hydrology, Ancient China', S. 236- 249 Shipbuilding, Ancient China', S. 479- 493, The Technique of Maritime Navigation,
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