

ences,—a course which will be open to graduate students in physics and astronomy as well as to those in mathematics.

The following advanced courses are announced by the department of mathematics, each course extending through the year unless otherwise noted :—Professor CRAIG : Theory of surfaces, three hours ; Advanced theory of functions and differential equations, three hours ; Mathematical conference, weekly. — By Dr. COHEN : Elementary theory of functions, two hours ; Theoretical mechanics, two hours ; Substitution groups, two hours, first half-year ; Elliptic functions, two hours, second half-year.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ANDOYER (H.). Leçons élémentaires sur la théorie des formes et ses applications géométriques. (Autographié.) Paris, Gauthier-Villars, 1898. 4to. 6 and 184 pp. Fr. 8.00
- BAER (K.). Die Kugelfunction als Lösung einer Differenzengleichung. Berlin, Mayer and Müller, 1898. 4to. 25 pp. Mk. 1.50
- BAKER (W. M.). Examples in analytical conics for beginners. London, Bell, 1898. 8vo. 96 pp. 2s. 6d.
- BOURGET (H.). Sur une classe particulière de groupes hyperabéliens. [Diss.] Paris, Gauthier-Villars, 1898. 4to. 95 pp.
- CANTOR (M.). Vorlesungen über Geschichte der Mathematik. Dritter (Schluss-) Band : Von 1668–1758. Leipzig, Teubner, 1898. 14 pp. and pp. 473 to 893. Mk. 20.00
- ESCARY (M.). Remarques concernant les formules fondamentales de la trigonométrie. Paris, Hermann, 1898. 8vo. 11 pp. Fr. 0.60
- HOLGATE (T. F.). See REYE (T.).
- KLUG (L.). Die Configuration des Pascal'schen Sechsecks im Allgemeinen und in 4 speziellen Fällen. Wien, Eisenstein, 1898. 8vo. 132 pp., 3 plates. Mk. 3.00
- LA COUR (P.). Historisk Matematik. 2te gennemsette udgave. Hæfte 1. Copenhagen, 1898. 8vo. 32 pp. Mk. 0.80
- LAPLACE. Oeuvres complètes de Laplace, publiées sous les auspices de l'Académie des sciences. Vol. XII. Paris, Gauthier-Villars, 1898. 4to. 574 pp. Fr. 20.00.
- LEROY (E.). Sur l'intégration des équations de la chaleur. Paris, Gauthier-Villars, 1898. 4to. 264 pp.
- MILLER (G. A.). On the primitive substitution groups of degree sixteen. (*American Journal of Mathematics*, Vol. XX., No. 3.) 4to. Pp. 229–241.
- On the perfect groups. (*American Journal of Mathematics*, Vol. XX., No. 3.) 4to. Pp. 277–282.
- MOLK (J.). See TANNERY (J.).