

of foundry and cupola management and heat treatment of steel.

Mr. Fairbanks.

Second year, first semester, five hours a week. 3 units.

**103. Architectural Drawing.** A course involving perspective and plans with details of construction.

Mr. Fairbanks.

Second year, first semester, five hours a week. 3 units.

**210. Machine Design.** This course covers the elementary design of gears and cams and includes problems in combined mechanism and designs for strength.

Mr. Fairbanks.

Third year, either semester, five hours a week. 3 units.

**222. Tool Making.** A course in machine shop and forge shop involving the design and construction of tools for accurate production of interchangeable parts.

Mr. Fairbanks.

Third year, second semester, five hours a week. 3 units.

**115, 116. Methods and Teaching.** Every student enrolled in the special curriculum in manual arts is required to teach manual training for one year under supervision in the elementary and junior high school grades in the training schools. This work is accompanied by a suitable study of the methods involved.

Mr. Clark, Mr. Fairbanks.

Second year, two semesters, five hours a week. 5 units.

**Special Recommendation.** Students enrolled in the Standard Teachers' Curriculum may elect five hours per week or three units each semester in the above courses, and, upon completion of twelve units of this work, may be recommended at graduation to teach manual training in elementary grades and junior high schools. One semester or three units of the twelve specified must be in mechanical drawing.