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Bonnie Gold* (bgold@monmouth.edu). *A Discrete Mathematics Course for Preservice Middle School Mathematics Teachers*. Preliminary report.

At Monmouth University, I have been working for several years on developing a sequence of five courses for preservice middle school mathematics teachers who are making the transition from another career to teaching via our MAT program, or who are already teaching in another discipline, but have been asked to, or want to, switch to teaching mathematics. The challenge in New Jersey is that courses counting toward mathematics certification must be equivalent to courses that are part of a mathematics major. Thus, the courses I have developed contain material that is found in one or more of our undergraduate courses, but I also make a bridge between this and material on that topic that is taught at the middle school level. One of the courses I developed is Discrete Mathematics and Problem Solving. I will discuss this course, how I developed and taught it, and will focus on two computer laboratory projects I developed that are available on the web and use software that is also available and free on the web. (Received September 16, 2007)