```
START

  SET courses TO empty dictionary

  SET continue_input TO "yes"


# Get course info

  WHILE continue_input is "yes" DO

    INPUT course_id

    INPUT course_title

    ADD course_id to courses with course_title

    INPUT continue_input


  # Search for course

  INPUT search_keyword

  SET matched_courses TO empty list


  FOR each course_id in courses DO

   IF search_keyword is in course_id THEN

     ADD course_title to matched_courses


  PRINT matched_courses


END
```