**Clinical scenario simulation**

* Teachers of fundamental nursing wrote the standardized patient simulation lesson plan
* Three experts checked and revised the plan

**Focus group interviews**

3rd- and 4th-year nursing students

Clinical nurses and teachers

**Microlectures based on interview data**

* Understanding medical orders
* The process of informaticized medication administration

**Design and development of microlectures with experts**

* Animation production
* Video production

**Develop questionnaire**

* Panel of teachers and clinical nurses
* Assess content validity

**Supplemental Digital Content Figure 2. Design of the Microlectures Module for Medication Administration Course**