


## Lesson Plan | Fatimah Al-Majritiya

Agenda	Action
Do Now	The class will begin with Fatima's most significant contribution to astronomy and mathematics: "the Corrections of Fatima." We will discuss some corrections made in the book, such as Fatima's correction of Ptolemy's <i>Almagest</i> , in particular her correction of his calculation of ellipses.
Read Aloud	The class will take turns reading the paragraphs summarizing Fatimah's life on the website out loud.
Watch Video	Instructor will play video on Fatimah Al-Majritiya for class and answer any questions afterward.
Presentation	The instructor will briefly present slides discussing the life and contributions of Fatimah Al-Majritiya to observational astronomy.
Interactive	<p>Students can engage with an interactive map of the night sky, which was used as the basis for Fatimah's reformulation of the "Astronomical Tables of Al-Khwarizmi" from the Persian to Islamic calendar.</p> 
Discussion	Students will discuss the significance of Fatimah's work to observational astronomy, as well as the possible influence she had on future muslim women astronomers.