This paper is one of the discourses to holistically evaluate university art education curriculum in Ghana. The faculty of any course is responsible for setting the climate or tone for the dissemination of information. This is at times compounded by advancement in the technology used in the teaching and learning process. The problem of this study was to investigate the pedagogical underpinnings of art education in Ghana against the 21st century teaching and learning skills requirements. This exploratory research utilized both qualitative and quantitative methods. Findings indicated that majority of the respondents agreed that the faculty used variety of teaching methods and again, faculty employs technology to their advantage in making sure that students understand the concepts they impart and by the appropriate means available. Currently there is little mix in the Department of Art Education as most of the members of faculty are on the lecturer level. Keywords: pedagogy, art, education, evaluation and 21st century skills.