1116-32-2659 **Jerry R. Muir, Jr.*** (jerry.muir@scranton.edu), Department of Mathematics, The University of Scranton, Scranton, PA 18510. *Vector-Valued Kernels of Bergman Type.* Preliminary report.

Two classes of vector-valued kernels are provided that reproduce holomorphic mappings $f\colon \mathbb{B} \to \mathbb{C}^n$ when integrated against a scalar-valued transform of the mappings with respect to weighted Lebesgue measure on the open unit ball $\mathbb{B} \subseteq \mathbb{C}^n$. The spaces of mappings that are reproduced in this manner properly contain weighted vector-valued Bergman spaces when $n \geq 2$ and are characterized. (Received September 22, 2015)