1154-VS-1702 **Mohammad Javaheri*** (mjavaheri@siena.edu), 515 Loudon Road, Siena College, School of Science, Loudonville, NY 12211. *A Note on Polynomial Sequences Modulo Integers.*

We study the uniform distribution of the polynomial sequence $\lambda(P) = (\lfloor P(k) \rfloor)_{k \geq 1}$ modulo integers, where $P(x)$ is a polynomial with real coefficients. In the nonlinear case, we show that $\lambda(P)$ is uniformly distributed in $\mathbb{Z}$ if and only if $P(x)$ has at least one irrational coefficient other than the constant term. In the case of even degree, we prove a stronger result: $\lambda(P)$ intersects every congruence class modulo every integer if and only if $P(x)$ has at least one irrational coefficient other than the constant term. (Received September 16, 2019)